DJ-180 DJ-1400

Service Manual

CONTENTS SPECIFICATIONS 1) General 2) Transmitter. 3) Receiver 4) Functions for Each Version CIRCUIT DESCRIPTION 1) Receiver System 2) PLL VCO Circuit. 3) Transmitter System 4) DTMF Encoder Circuit (option). 5) Tone Squelch Circuit (option) 6) Microprocessor and Peripheral Circuit 7) Terminal Function of Microprocessor SEMICONDUCTOR DATA 1) LR408721 2) M5218FP 3) M5236ML. 4) MB1504LPF 5) MC3357 6) MX365 7) NJM386 8) RH5VA32AA. 9) RH5VA45AA. 10) X24C01A 11) X24C04S14 12) X24C16S14 13) Transistor, Diode and LED Outline Draw 14) LCD Connection. EXPLODED VIEW 1) Rear Case 1 2) LCD 3) Rear Case 2 4) Front Case 3 6) Front Case 3 6) Front Case 3 7) Ten Key Cover and Key Pad Panel 8) CTCSS Linit and ROM1 Linit	2 2 2 2 3 4 5 5 6 6 6 6 7 10 10 11 11 12 13 13 14 14 15 16 17 17 18 19 20 21 22 23	PC BOARD VIEW 1) VCO Unit 2) JACK Unit 3) PTT Unit Side B 4) PS Unit 5) ROM1 Unit Side B 6) ROM2 Unit Side B 7) RF Unit Side A 8) RF Unit Side A 8) RF Unit Side A 10) CPU Unit Side B 11) RE Unit 12) CTCSS UniL 13) DTMF Unit. PARTS LAST CPU unit PS unit. ROM1 Unit DTMF Unit RF Unit Vco unit CTCSS Unit PTT SW Unit JACK Unit RE Unit Others ROM2 Unit. PACKING Parts Table for Each Version. ADJUSTMENT 1) Required Test Equipment. 2) Before Adjustment 3) Adjustment for DJ180, DJ1400 4) Adjustment for DJ1400AN/QN 5) Adjustment Quick Reference 6) Adjustment Points.	24 24 24 25 25 25 26 27 28 29 30 30 31 32 32 33 33 33 33 33 33 33 33 34 34 38 38 38 38 38 38 38 38 38 38 38 38 38
8) CTCSS Unit and ROM1 Unit	23	CIRCUIT DIAGRAM BLOCK DIAGRAM	45 ~ 46 47

ALINCO INCORPORATED
TWIN 21 M.I.D. TOWER BUILDING 23F, 1-61, 2-CHOME,
SHIROMI CHUO-KU, OSAKA, 540-8580 JAPAN

Tel (81)6-6946-8150 fax (81)6-6946-8175 e-mail: export@alinco.co.jp

SPECIFICATIONS

DJ-180

1) General

Frequency Coverage:

RX: 137.000 ~ 173.995MHz (T, TM version) TX: 144.000 ~ 147.995MHz (T, TM version)

RX: 137.000 ~ 173.995MHz (TA, TB, TA2, TB2 version) TX: 137.000 ~ 173.995MHz (TA, TB, TA2, TB2 version)

RX/TX: 144.000~145.995MHz(TS, TSA, TZ, E, EA, EB version)

Frequency Resolution: 5, 10, 12.5, 15, 20, 25kHz steps

Memory Channels: 10 Channels (standard)
Antenna Impedance: 50 ohm unbalanced

Signal Type: F3E(FM)

Power Supply Requirement: DC 5.5V~13.8V (Rated 7.2V Ni-Cd)

Dimensions: Approximately 132(H) x 58(W) x 33(D) mm

Weight: Approximately 350g

2) Transmitter

Output Power.I 5.0W with Optional 12V Ni-Cd Battery

2.0W with Standard 7.2V Ni-Cd Battery

(144.000~147.995MHz)

(160.000~165.000MHz)... TA2, TB2 only

Modulation System: Variable Reactance Frequency Modulation

Max. Frequency Deviation: +/-5kHz

Tone Frequency: 67.0 to 250.3Hz -38 Subaudible Encoding Tones

(E, EA, EB version: option)

DTMF Encoder: (TZ, EB version: option)
Tone Burst: (E, EA, EB version only)

3) Receiver

Receiver System: Double-Conversion Superheterodyne

Intermediate Frequency.' 1st IF: 21.4MHz

2nd IF: 455kHz

Sensitivity: 12dB SINAD less than -10dBu

(144.000~17.995MHz)

(160.000~165.000MHz)... TA2, TB2 only

SPECIFICATIONS

DJ-1400QN / AN (The Narrow Version)

1) General

Frequency Coverage:

136.000 ~ 155.000MHz (AN version) 150.000 ~ 173.995MHz (QN version)

Frequency Resolution: 5, 10, 12.5, 15, 20, 25kHz steps

Memory Channels: 10 Channels (standard)/option 50 and 200ch

Antenna Impedance: 50 ohm unbalanced

Signal Type: F3E(FM)

Power Supply Requirement: DC 5.5V~13.8V (Rated 7.2V Ni-Cd)

Dimensions: Approximately 132(H) x 58(W) x 33(D) mm

Weight: Approximately 350g

2) Transmitter

Output Power.I 5.0W with Optional 12V Ni-Cd Battery

2.0W with Standard 7.2V Ni-Cd Battery

Modulation System: Variable Reactance Frequency Modulation

Max. Frequency Deviation: +/ -2.5kHz

Tone Frequency: 67.0 to 250.3Hz -38 Subaudible Encoding Tones

Time Out Timer 0 to 450 sec Time Out Penalty 0 to 15 sec

3) Receiver

Receiver System: Double-Conversion Superheterodyne

Intermediate Frequency.' 1st IF: 21.4MHz

2nd IF: 455kHz

Sensitivity: 12dB SINAD less than -16dBu

AF Output 200mW (10% THD)

4) Functions for Each Version

	RX	TX					Final
Function	Frequency	Frequency	Tone				Operatio
Version	Range	Range(facto	Burst	CTCSS	DTMF	BAND	n
DJ-180T	130~174	144~148	Х	0	0		R+LA
DJ-180TA	130~174	130~174	Х	0	0		R+LA
DJ-180TA2	130~174	130~174	Х	0	0	Η	R+LA
DJ-180TB	130~174	130~174	Х	0	0		R+LA
DJ-180TB2	130~174	130~174	Х	0	0	Η	R+LA
DJ-180TM	130~174	144~148	Х	0	0		R+LA
DJ-180TS	144~146	144~146	Х	0	0		R
DJ-180TSA	144~146	144~146	Х	0	0		R
DJ-180TZ	144~146	144~146	Х	0	x(with16keys)		R
DJ-180E	144~146	144~148	0	A(option)	0		R
DJ-180EA	144~146	144~146	0	A(option)	0		R
DJ-180EB	144~146	144~146	0	A(option)	Х		R
DJ-1400	130~174	130~174	Х	0	Х		R+LA
DJ-1400A	130~174	130~174	Х	0	Х		R+LA
DJ-1400B	130~174	130~174	Х	Χ	X		R+LA
DJ-1400F	130~174	130~174	Х	0	Х		R+LA
DJ-1400G	130~174	130~174	Х	Χ	Х		R+LA
DJ-1400TM	130~174	130~174	Х	0	Х		R+LA
DJ-1400AN	136~155	130~174	Х	0	Х		R+LA
DJ-1400QN	150~174	130~174	Х	0	Х		R+LA

Final Operation

R: Press and hold the "F" key and turn on the radio.

R+LA : Press and hold the "F" and "LAMP" keys and turn on the radio.

Note: The expanded frequency will return to the initial setting' if you reset the radio with.."R" operation after 'R + LA" operation. To resume the expanded frequency . reset the radio again with..R + LA" operation.

Page 3

CIRCUIT DESCRIPTION

1) Receiver System

The receiver system is the double superheterodyne. The first IF is 21.4MHz andthe second IF is 455kHz.

1. Front End

The signal from the antenna is passed through a low-pass fitter and input to the RF coil L4.

The signal trom L4 is amplified by Q1 and led to the band passtilter (L5, L6, L7), and led to the first mixer gate of Q2.

2. First Mixer

The amplified signal (fo) by Q1 is mixed with the first local oscillator signal (fo -21.4MHz) from the PLL circuit by the first-stage mixer Q2 and so is converted into the first IF signal.

The unwanted frequency band of the first IF signal is eliminated by the monolithic crystal filter (XF1), and led to IF amplifier Q3.

3. IF Amplifier

The first IF signal is amplified by Q3, and input opin 16 of IC1, where it is mixed with the second local oscillator signal (21.855MHz) and so is converted into the second IF signal (455kHz).

The second IF signal is output from pin3 of IC1, and unwanted frequency band of the second IF signal is eliminated by a ceramic filter (FL1).

The resulting signal is then amplified by the second IF limiting amplifier, and detected by quadrature circuit. The audio signal is output from ping of IC1.

4. Audio Circuit

The detected signal from IC1 is passed through the low-pass filter and led to the flat amplifier Q13. When the optional Tone Squelch unit is equipped, the tone signal is eliminated by IC701.

Q13 is switched ON/OFF by AFC signal from CPU.

The audio signal is input to the main volume (VR3) and amplified by the power amplifier IC3 to drive the speaker.

The power supply voltage of IC3 is limited by AF regulator consisting of Q14 and Q15 to prevent the speaker from overdriving. The power supply voltage of IC3 is switched ON/OFF by AFP signal.

5. Squelch Circuit

The noise in the audio signal from IC1 is passed through the squelch control variable resistor (VR4) and input to pin10 of IC1. The audio signal is amplified by filter amplifier of IC1 and output to pin11. The desired noise of the audio signal is eliminated by the high-pass filter and amplified by Q12. The resulting signal is rectified by D13 and then input to pin12 of IC1. When the squelch circuit is close, pin13 of ICI goes to "low". When the squelch circuit is open or a signal is received, pin13 goes to "high", then the signal of pin13 is led to CPU.

2) PLL, VCO Circuit

Output frequency of PLL circuit is set by the serial data (pin9: clock, pin10: data, pin11: toad enable) from microprocessor.

PLL circuit consists of VCO Q201, buffer amplifier Q202 and Q17. When PLL is locked, pin7 of IC2 goesto "high" and UNLOCK SW Q19 becomes OFF, then T.MUTE signal goes to "low".

The pulse wave output of charge pump is converted to DC voltage by PLL loop filter circuit, and supplied to D201, D202 of varicap diode in VCO unit. The VCO tune voltage is applied to the varicaps D3, D4, D5 and D6 in the frontend.

The frequency modulation is executed when the audio signal voltage is supplied to the varicaps D201, D202 and D203.

3) Transmitter System

1. Microphone **Amplifier**

The voice from the internal or external microphone is led to the pre-emphasis circuit, and then input to the microphone amplifier IC4, which consists of two operational amplifiers.

The amplified signal is input to the low.pass filter IC4.

The output from the microphone amplifier is passed through variable resistors VR2 tor modulation adjustment to varicap diode of the VCO, contromng the VCO frequency.

2. Power Amplifier The signal from VCO is amplified by buffer amplifiers Q4 and Q5, and input to the buffer amplifiers Q6 and input to the power amplifier Q7. The amplified signal is output from Q7, and then passed through the low-pass filter, the antenna switch circuit and the output low-pass tilter. The unwanted harmonies frequency signal is eliminated by the low-pass fitter and input to the antenna. The LC matching circuits located between amplifiers of the transmitting circuit make the transmission smooth.

3. Automatic Power

Control Circuit

The automatic power control(APC) circuit is used to obtain a stable transmission power. This circuit detects the transmission power by D8 in the lowpass filter consisting of L18, L19, C59, and C64. The detected DC voltage is supplied to APC circuit. When the detected voltage goes higher than the settled voltage, the bias voltage of APC amplifier Q9 goes to low. The collector voltage of APC amplifier Q10 goes to low and the power supply voltage of Q5 goes to low, and output power becomes small to prevent from the over power.

At low power the Power Control Switch Q8 lets the base voltage of APC DET Q11 and the collector voltage of APC AMP Q10 down, also switches between high power and low power, and inhibits the transmission.

4) DTMF Encoder Circuit (option)

The DTMF signal corresponding to the combination of the column and row is output from tone output pin17 of IC401 Encoder, producing a frequency-modulated RF output. The Q401 switches the DTMF Encoder when IC401 is active during DTMF transmission.

5) Tone Squelch Circuit (option)

1.Decoder

The second IF signalfrom pin11 of IC1, and input to the tone squelch decoder IC701.

When the tone squelch decoder IC701 decodes the input tone signal frequency as the programmed frequency, pin13 goes to "Low". The signal is input to pin16(DET) of IC107, and the squelch goes off.

When the Tone squelch decoder IC701 does not decode the input tone signal frequency as the programmed frequency, pin13 goes to "High".

2. Encoder

The tone signal is output from pin16 of IC701, producing a frequency-modulated RF output.

6) Microprocessor (CPU) and Peripheral Circuit

Refer to "Terminal Function of Microprocessor" about each terminal function.

1. BS Mode

When the Squelch is closed for more than 5 seconds, the radio goes into the BS(Battery Save) mode automatically. Pin11 (R5C) and pin19 become High or Low periodically. Open the Squelch, and the radio does not go into the BS mode.

2. Backup Reset

When the voltage detector circuit IC303 detects a decrease in the C5V line, CPU RAM data is stored in the EEPROM IC, IC601. IC 302 is also the voltage detector circuit and it detects the lower voltage than IC303. The circuit detects a increase in the C5V line when power is turned on, and then the CPU will be initialized.

3. Reset

Press and holdthe."F" key, then turn on the power. The radio will reset to initial factory settings.

Even if you expanded the frequency, it will return to the initial setting. To resume the expanded frequency, press and hold the "F" and "Lamp" keys, then turn on the power.

7) Terminal Function of Microprocesser

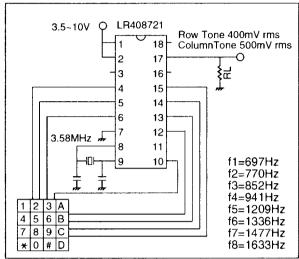
		nction of Microprocesser				
Name		Description		PinName	Н	L
TBST	0	1750Hz Tone Burst Output	9	P57/PWM3	Normal:H(HiZ)	Output:Pluse
BEEP	0	Beep Tone Output	10	P56/PWM2	Normal:H(HiZ)	Output:Pluse
R5C		RX5V ON/OFF	11	P55/PWM1	ON	OFF
T5C		TX5V ON/OFF	12	P54/PWM0	ON	OFF
AFP	0	AF Power Amplifier ON/OFF	13	P53/SIG	ON	OFF
AFC	0	IF Mute Output	14	P52/CNT2	Mute OFF	Mute ON
		*			during Tone Burst	
M.MUTE	0	Microphone Mute Output	15	P51/CNT1	Tansmission	Normal
RE1		Rotary Encoder Input 1	16	P50/INT3	1 diisiirissioii	romai
					OM	OFF
LAMP	0	Lamp ON/OFF Switch	17	P37/SRDY	ON	OFF
BAT		Battery Low Indicator Input	18	P36/CLK	Low	Normal
P5C		PLL Power ON/OFF	19	P35/SOUT	ON	OFF
EICD		EEPROM Unit Detection	20	P34/SIN	Equipped	Nothing
XWR		External EEPROM Write Cycle Detection	21	P33rr	Normal	Write cycle
RE2	I	Rotary Encoder Input 2	22	P32/INT2		
SCOM	0	Band Plan Scan Output	23	P31/XCIN	H(Hiz)	Low Active
P.H/L	0	Transmit Power Switch	24	P30/XCOUT	Low Power	High Power
BU	I	Back up Mode Input	25	INT1	Normal	Negative Edge Triggered
	<u> </u>		26	CNVss		1 8
RES	I	Reset Input	27	RESET	at Work	on Reset
TES .	1	Clock Input 3.58MHz	28	XIN	at Work	on Reset
			29	XOUT		
	_	Clock Output 3.58MHz				
TOOD	 	Ground	30	Vss	TT 1 4 4 1	D 1
TSQD		Tone Detecton Input	31	P17	Undetected	Detected
TICD	I	Tone Unit Detection	32	P16	Nothing	Equipped
BP1	I	Band Plan(TX)	33	P15	Expanded	Normal
BP2		Band Plan(RX)	34	P14	Expanded	Normal
BP3		Band Plan(TX,RX)	35	P13	Expanded	Normal
BP4	I	Band Plan(Channelstep)	36	P12	Expanded	Normal
BP5		Band Plan(OffsetFreq.)	37	P11	Expanded	Normal
CH		Band Plan(ChannelDisp.)	38	P10	Expanded	Normal
SLC		Clock for EEPROM IC	39	P07	Normal:Hiz	Output: Pluse
SDA		Data for EEPROM IC	40	P06	Normal:Hiz	Output: Pluse
CLK		Clock for PLL, TONE IC	41	P05	Output:Pluse	Normal:L
DTA		Data for PLL,TONE IC	42	P04	Output:Pluse	Normal:L
STB1	0	Strobe for PLL IC	43	P03	Output:Pluse	Normal:L
STB2	0	Strobe for TONE IC	44	P02	Output:Pluse	Normal:L
FUNC	I	Function Key Input	45	P01	OFF	ON
SD	Ι	Signal Detection Input	46	P00	Received	Nothing
TBST	Ι	Tone Burst Key Input	47	P27	OFF	ON
CALL		CALL(APO)	48	P26	OFF	ON
LAMP		LAMP (FLJPL)	49	P25	OFF	ON
MONI		MONI(P.H/L)	50	P24	OFF	ON
TONE		TONE(MW)	51	P23	OFF	ON
V/M		V/M(OFFSET)	52	P22	OFF	ON
T.SCAN		T.SCAN(CH STEP)	53	P21	OFF	ON
PTT	I	PTT Key Input	54	P20	OFF	ON
			55	VL3		
			56	VL2		
			57	VL1		
COM0	0	Common Output	58	COM0		
COM1	0	Common Output	59	COM1		
COM2	ō	Common Output	60	COM2		
F	Ť		61	COM3		+
SEG0	0	Segment Output	62	SEGO		+
		Segment Output Segment Output		SEGI		1
SEG1			63			+
SEG2		Segment Output	64	SEG2		4
SEG3		Segment Output	65	SEG3		1
SEG4	0	Segment Output	66	SEG4		
SEG5	0	Segment Output	67	SEG5		
SEG6	0	Segment Output	68	SEG6		
SEG7	0	Segment Output	69	SEG7		
SEG8	0	Segment Output	70	SEG8		
SEG9		Segment Output	71	SEG9		
SEG10	ŏ	Segment Output	72	SEG10		
SEG10	Ö	Segment Output	73	SEG11		+
SEG11	0	Segment Output	74	SEG12/P43		+
			75			+
SEG13	0	Segment Output		SEG13/P42		
SEG14	0	Segment Output	76	SEG14/P41		1
SEG15	0	Segment Output	77	SEG15/P40		
SEG16		Segment Output	78	SEG16/IN7		
SEG17		Segment Output	79	SEG17/IN6		
SEG18	0	Segment Output	80	SEG18/IN5		
SEG19	0	Segment Output	1	SEG19/IN4		
		Segment Output	2	SEG20/IN3		
SEG20	ō	Segment Output	3	SEG21/IN2		1
SEG20 SEG21		Segment Output	4	SEG21/IN2 SEG22/IN1		+
SEG21	$\overline{}$				I	1
SEG21 SEG22				SEC33/INIO		
SEG21		Segment Output	5	SEG23/IN0		
SEG21 SEG22		Segment Output Ground	5 6	AVss		
SEG21 SEG22		Segment Output	5			

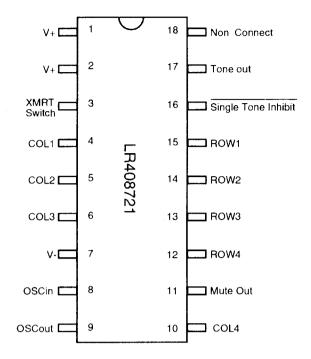
SEMICONDUCTOR DATA

1) LR408721 (XA0042)

Tone Dialer

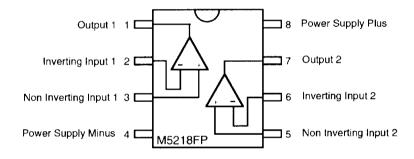
Test Circuit





2) M5218FP (XA0068)

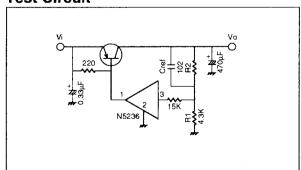
Dual Low Noise Operational Amplifiers

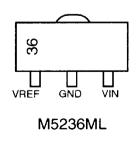


3) M5236ML (XA0104)

Voltage Regulator

Test Circuit



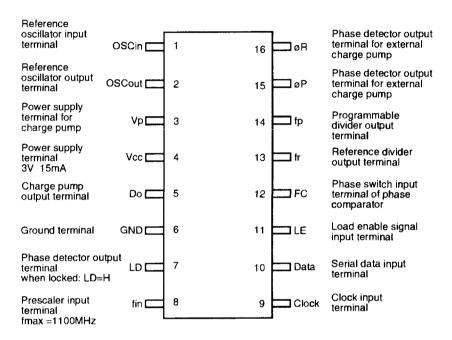


4) MB1504LPF-G-BND-TF (XA0145)

Frequency Synthesizer

Function Table

FC input	P.D.input	Do output
High or Low	fr=fp	Hi Z
High	fr>fp	High
High	fr <fp< td=""><td>Low</td></fp<>	Low
Low	fr>fp	Low
Low	fr <fp< td=""><td>High</td></fp<>	High



5) MC3357 (XA0063) Narrow Band FM IF IC

Vcc=6V

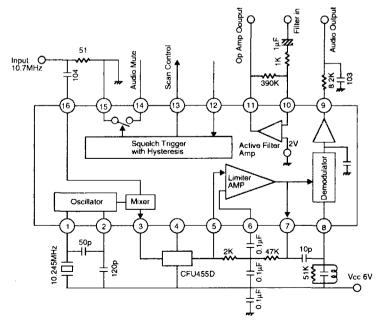
F=10.7MHz

Icc 3mA

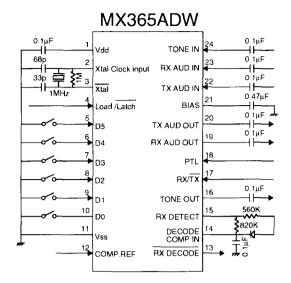
Limit 5µV

-3dB

Vo 350mV Dev=+/-3KHz



6) MX365 (XA0203) CTCSS Encoder/Decoder



Decode Comparator Ref: This pin is internally biased to VDD/3 or 2VDD/3 via 1M resistors depending on the logical state of the Rx Tone Decode Out pin. Rx Tone Decode Out = 1 will bias bias this input 2VDD/3; a logic "0" will bias this input VDD/3. This input provides the decode comparator reference voltage, and switching of bias voltages provides hysteresis to reduce "chatter" under marginal conditions.

RX Tone Decode Out: This is the gated output of the decode comparator. This output is used to gate the RX Audio path. A logic "0" on this pin indicates a successful decode and that the Decode Comparator Input pin is more positive than the Decode Comparator Ref. input.

Decode Comparator Input: This is the inverting input of the decode comparator. This pin is normally connected to the integrated output of the Rx Tone Detect line.

Rx Tone Detect: In Rx mode this pin will go to logic '1' during a successful decode. It must be externally integrated to control response and deresponse times.

this pin under the control of the Rx/Tx pin. This pin, when not transmitting a tone, may be biased to VDD/2 -0.7V or O/C.

Rx/Tx: This input (in parallel mode) selects Rx or Tx modes. In serial mode this function is serially loaded. This pin is internally pulled to VDD via a 1 $M\Omega$ resistor.

PTL: In parallel Rx mode this pin operates as a 'Press To Listen' function by enabling the Rx audio path, thus overriding the tone squelch function. In parallel Tx mode this pin reverses the phase of the transmitted CTCSS tone (used for squelch tail elimination). In serial mode this function is serially loaded.

Rx Audio Out: This is the high pass filtered receive audio output pin. This pin outputs audio when Rx TONE DECODE = 0, or PTL = 1, or when Notone is programmed. In Tx mode this pin is biased to VDD/2.

Tx Audio Out: This is the high pass filtered transmit audio output pin. In Tx mode this pin outputs audio present at the Tx Audio Input pin. In Rx mode this pin is biased to VDD/2.

Bias: This pin is the output of an internally generated VDD/2 bias level and would normally be externally decoupled to Vss via C7.

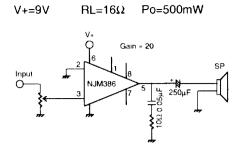
Tx Audio In: This is the Tx Audio input pin. In Tx mode it may be prefiltered, using the Tx audio path, thus helping to avoid talk off due to intermodulation of speech Tx Tone Out: The CTCSS sinewave output appears on frequencies with the transmitted CTCSS tone. This pin is internally biased to VDD/2.

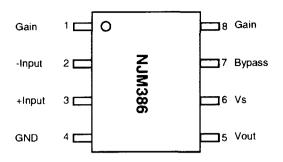
> Rx Audio In: This is the input to the audio high pass filter in Rx mode. It is internally biased to VDD/2.

Tone Input: This is the input to the CTCSS tone detector. It is internally biased to VDD/2.

7) NJM386 (XA0061)

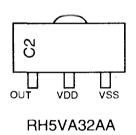
Dual Power Amplifiers



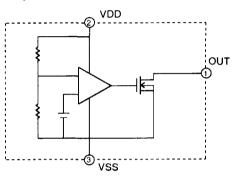


8) RH5VA32AA-T1 (XA0198)

C-MOS Voltage Detector

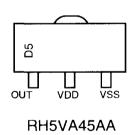


Equivalent Circuit

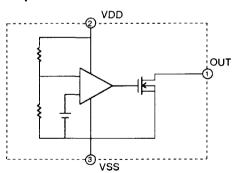


9) RH5VA45AA-T1 (XA0208)

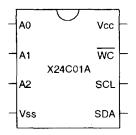
C-MOS Voltage Detector



Equivalent Circuit



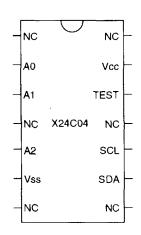
10) X24C01A (XA0199) EEPROM 1024Bit



Pin Names

A0 ~ A2	Address inputs
SDA	Serial Data
SCL	Serial Clock
WC	Write Control
Vss	Ground
Vcc	+5V

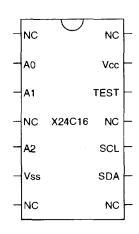
11) X24C04S14 (XA0200) EEPROM 4096Bit



Pin Names

A0 ~ A2	Address inputs
SDA	Serial Data
SCL	Serial Clock
TEST	Hold at Vss
Vss	Ground
Vcc	+5V
NC	No Connect

12) X24C16S14 (XA0201) EEPROM 16384Bit

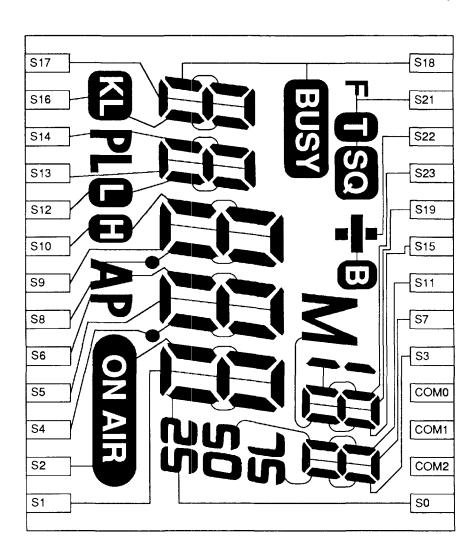


Pin Names

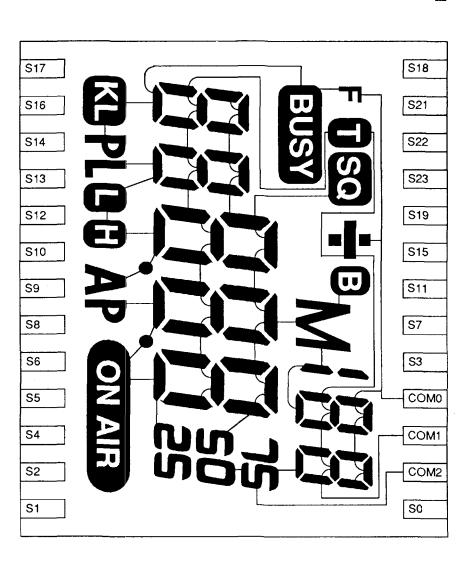
A0 ~ A2	Address inputs
SDA	Serial Data
SCL	Serial Clock
TEST	Hold at Vss
Vss	Ground
Vcc	+5V
NC	No Connect

13) Transistor, Diode and LED Outline Drawings

2SA1162	2SA1213	2SC1971	2SC2053	2SC2412	2SC3356	2SC4081	2SC4099
XT0068	XT0088	XT0101	XT0052	XT0037	XT0030	XT00 9 5	XT00 9 6
C	С	ि	Vottom View	 _	C	C	_ _
SG	NY		(000)	BR	R24	BR	JP
11 1	l I I	╽		1 1	! I	l I	
BE	BCE	BEC	BCE	B E	B E	BE	BE
2SC4393	2SK302	UN211L	UL211H	UN2214	UN2115		
XT0097	XE0009	XU0039	XU0040	XU0038	XU0037		
	S 	C	C	C	C		
ME	TG	6Q	6P	8D	8E		
			BE	BE	BE		
	D G				1		
1SS184	1SV217	1SS226	1SS318	DTZ2.4A	DTZ6.2A	MA704WK	MA716
XD0057	XD0233	XD0103	XD0129	XD0147	XD0137	XD0120	XD0118
 	5	★ ↓	*	22	田田	* *	
	91					' 	
B3 RB450F	U	C3 SLM-13MWS	ш	<u> </u>	Н	M2R	M1U
XD0134	RLS135 XD0066	XL0016					
AD0134	YD0000						
	********	_=					
	4	 本 ´					
	苦						
3F XN1	 11F	YN1	214	XN.	L 1 A 312	XN1	1401
I	0036	XUO)041	XT0	
1	1		1				
					\mathcal{L}		
\Box	\oplus	$ \psi $	\oplus			\ \psi \ \ \psi \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
***	}	***	-~~ }	<u> </u>	L		
1 1	1	}					
C1	C2	C1	C2	C1/B2	C2	C1	C2
<u>,=</u>	_무,	ــــــــــــــــــــــــــــــــــــــ	므,	ـــــــ	- 84		-목,
70		91	1	4	P	5	<u> </u>
B1 E	打 : B2	B1 E	5 D	E1 B		B1 E	3 LJ

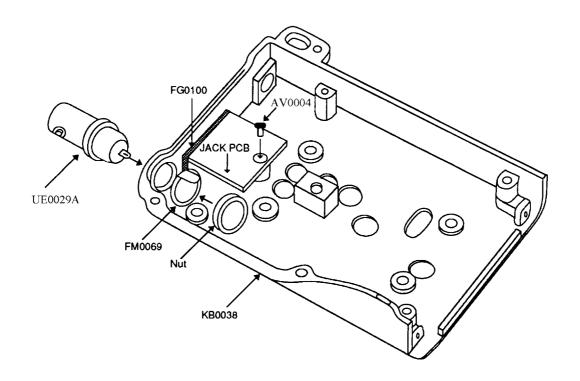


COMMON

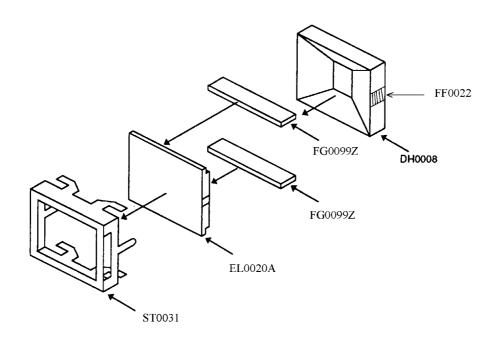


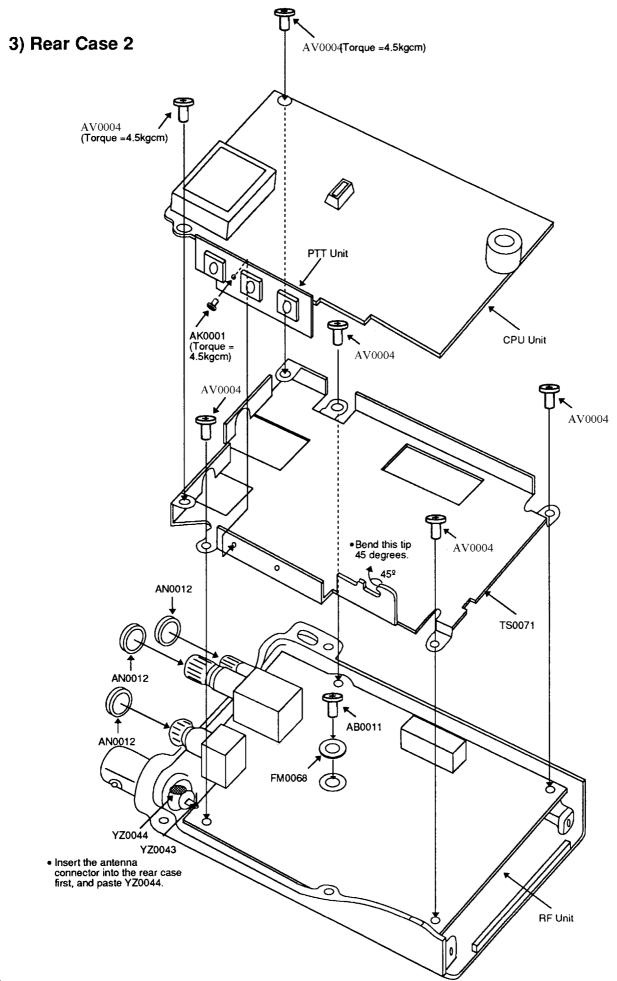
EXPLODED VIEW

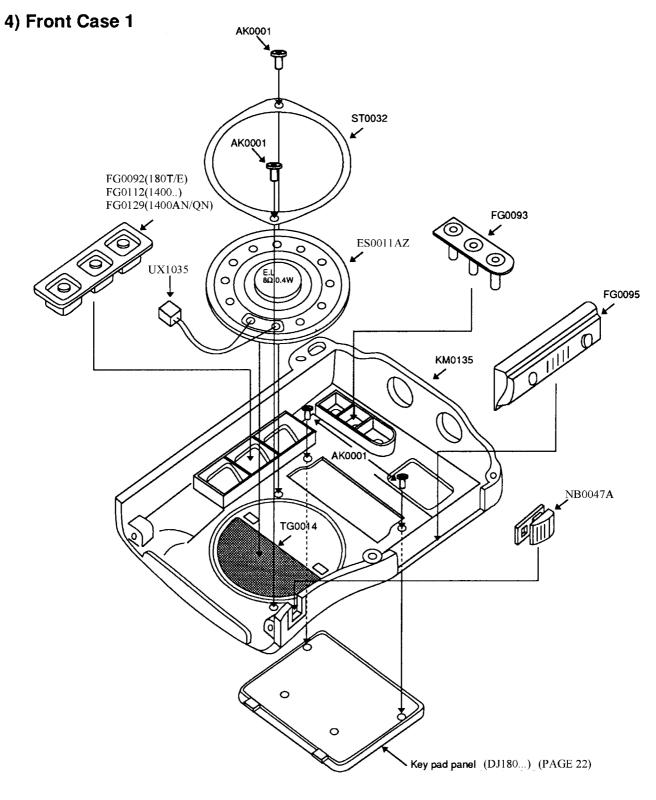
1) Rear Case 1



2) LCD Assembly

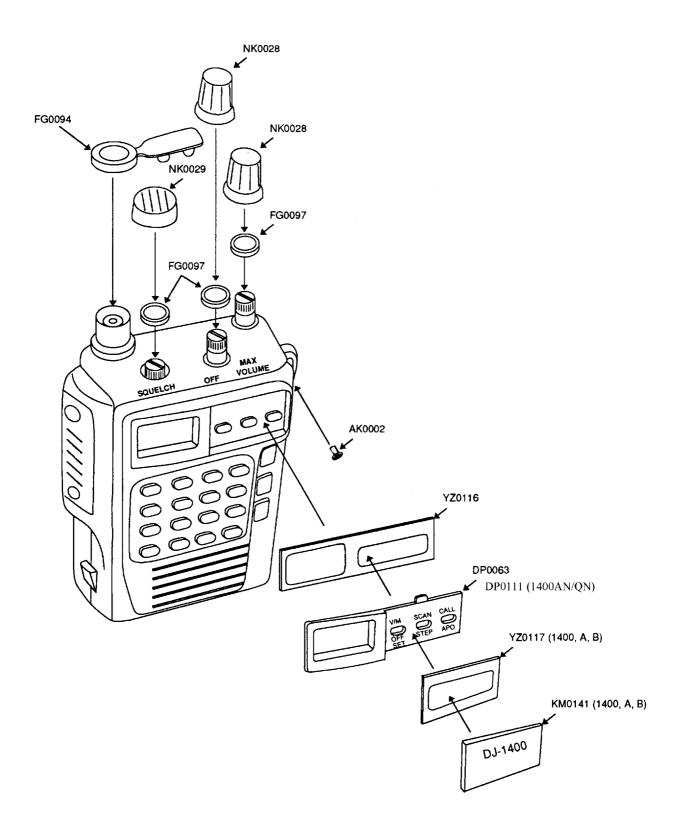


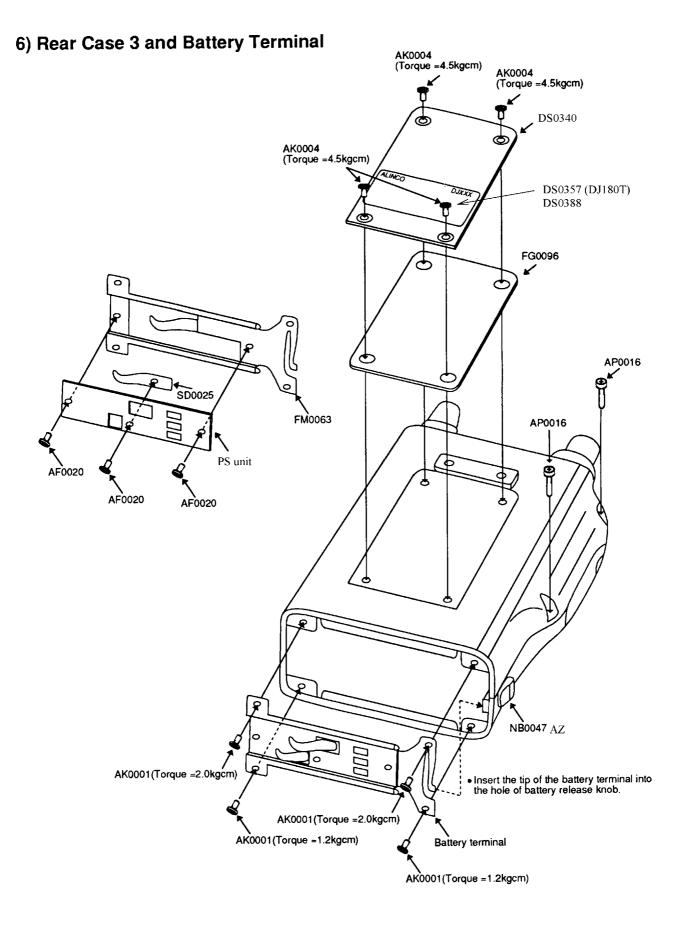




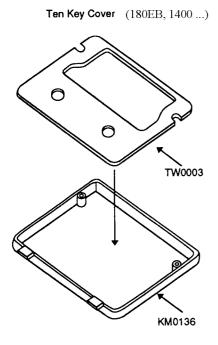
Ten key Cover (DJ1400..)

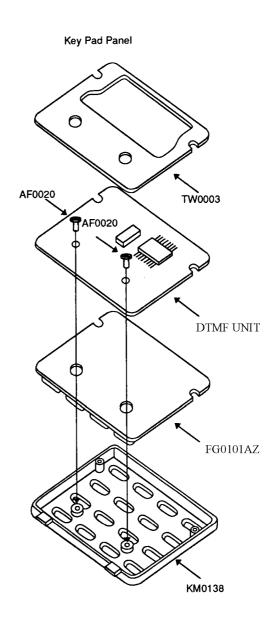
5) Front Case 2



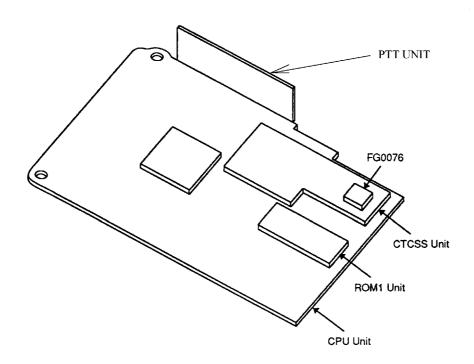


7) Ten Key Cover and Key Pad Panel





8) CTCSS Unit and ROM1 Unit

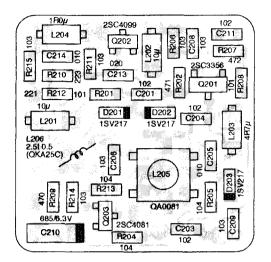


Model No.				DJ.	180				D	J-140	0		
Destination	Т	TA	ТВ	TS	TZ	E	EA	EB		Α	В	AN	QN
CTCSS Unit	1	1	1	1	1	0	0	0	1	1	0	1	1
ROM1 Unit	1	1	1	1	1	1	1	1	1	1	1	1	1

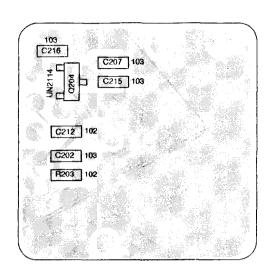
PC BOARD VIEW

1) VCO Unit

Side A

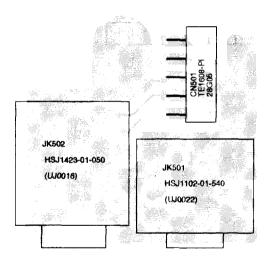


Side B

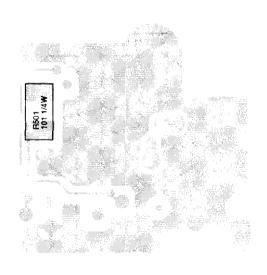


2) Jack Unit

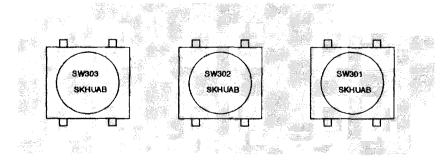
Side A



Side B

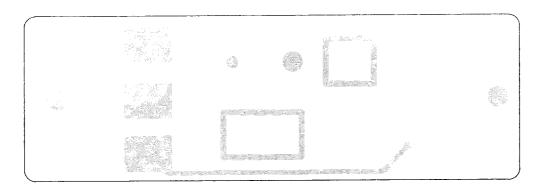


3) PTT Unit Side B

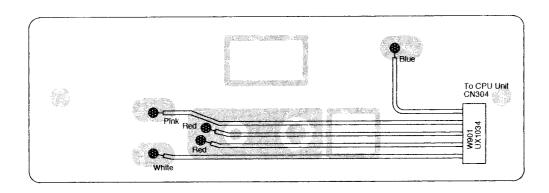


4) PS Unit

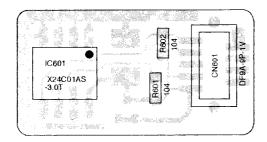
Side A UP0220 (1/2)



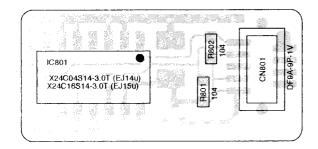
Side B

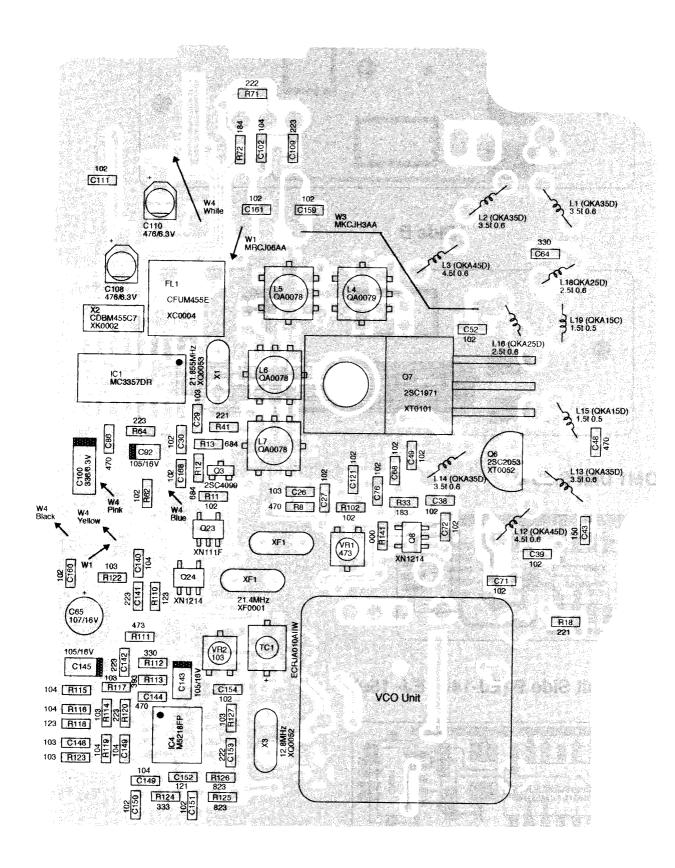


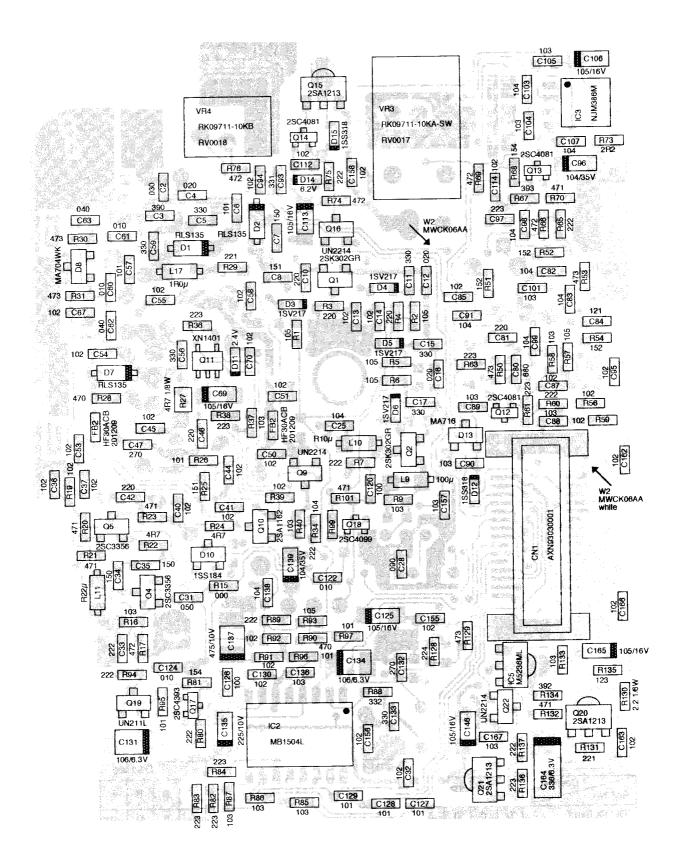
5) ROM1 Unit Side B UP0220 (1/2)



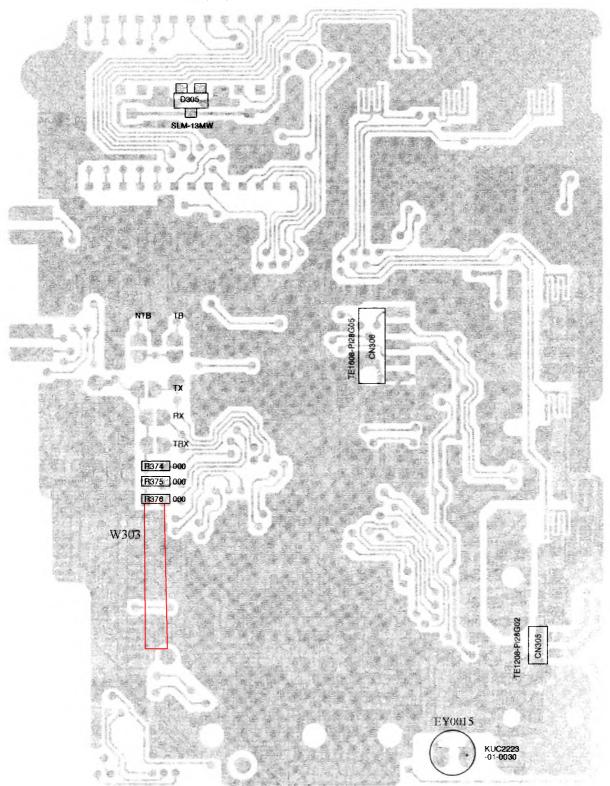
6) ROM2 Unit Side B (EJ-14u / EJ- 15u) $_{\mathrm{UP0220}~(1/2)}$





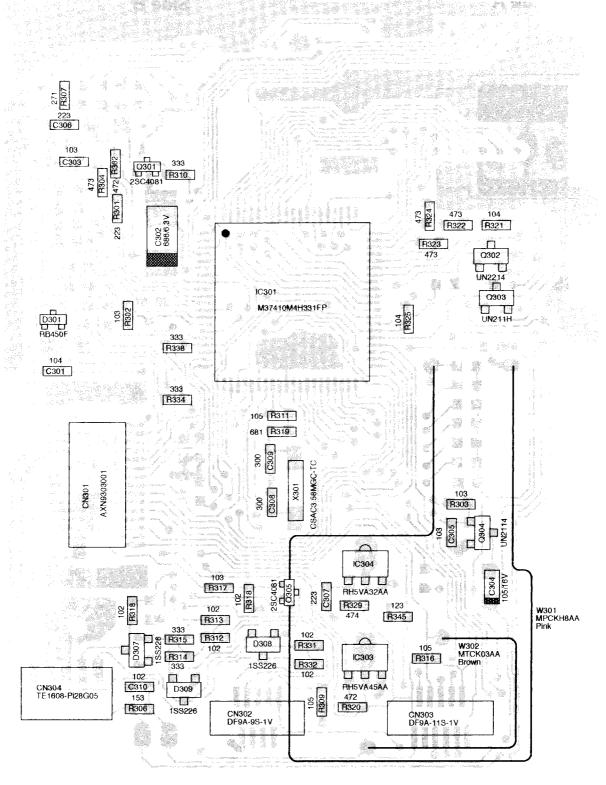


9) CPU Unit Side A UP0220 (1/2)



Model No.						DJ-	180					`			DJ-14	100				
Destination Ref. No.	Т	TA	тв	TS	TZ	Ε	EA	ЕВ	TA2	TB2	тм	TSA		Α	В	F	G	ТМ	AN	QN
TX (TX Exp.)	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	-	-
RX (RX Exp.)	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	-	-
TRX (TX/RX Exp.)	1	1	1	0	0	0	0	0	1	1	1	0	1	1	1	1	1	1	1	1
R376																			W303	W303

10) CPU Unit Side B UP0220 (1/2)

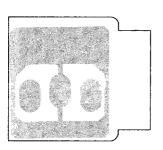


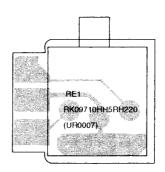
Model No.						DJ-	180								DJ-1	400				
Destination Ref.No.	Т	TA	тв	TS	TZ	Е	EA	EB	TA2	TB2	тм	TSA		Α	В	F	G	ТМ	AN	QN
TB (with Tone Burst)	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	-	-
NTB (without Tone Burst)	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
W301 (Cut when TX is expanded.)	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	-	-
W302 (Cut when CTCSS is equipped.)	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	0	1	0	-	-

11) RE Unit

Side A UP0221 (1/2)

Side B

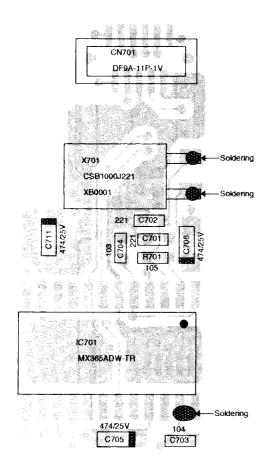


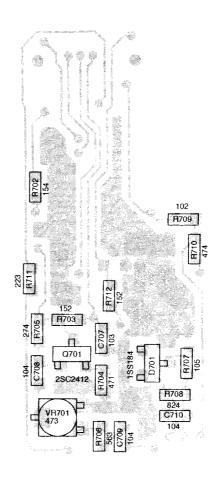


12) CTCSS Unit (EJ-17u)

Side A UP0221 (1/2)

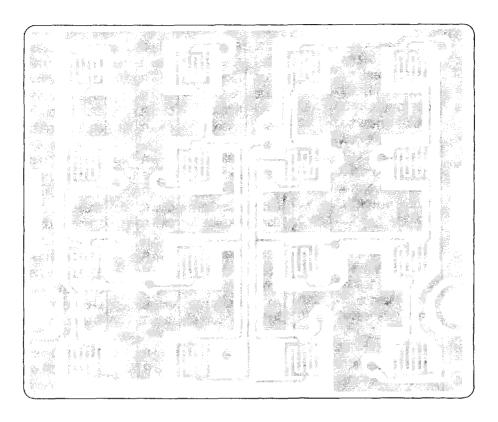
Side B



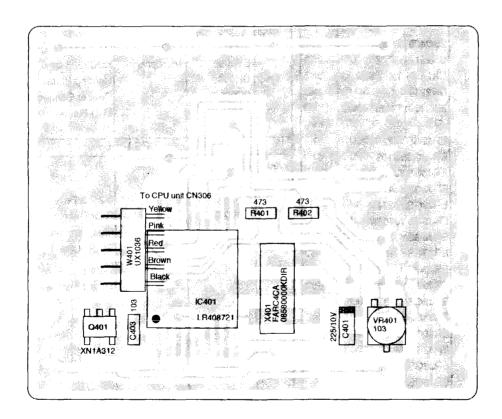


13) DTMF Unit (EJ-13u)

Side A



Side B



PARTS LIST CPU Unit PS Unit

Ref No	Parts No.	Description	Parts Name	Ver
		CPU Unit	UP0220 1/2	
C301	CU3059	Chip C.	C1608JF1E104ZT-A	
C302	CS0333	Chip Tantal	ECST0JV686R	
C303	CU3047	Chip C.	C1608JB1H103KT-A	
C304	CS0277	Chip Tantal	ECST1CY105R	
C305	CU3047	Chip C.	C1608JB1H103KT-A	
C306	CU3051	Chip C.	C1608JB1E223KTA	-
C307	CU3051	Chip C.	C1608JB1E223KT-A	
C308	CU3085	Chip C.	C1608CH1H300JT-A	
C309	CU3085	Chip C.	C1608CH1H300JT-A	
C310	CU3035	Chip C.	C1608JB1H102KT-A	
CN301	UE0143	Connector	AXN93030001	
CN302	UE0129	Connector	DF9A-9S-1 V (22)	
CN303	UE0130	Connector	DF9A-11S-1V (22)	
CN304	UE0147	Connector	TE 1608-PI28G05	
CN305	UE0144	Connector	TE 1208-P128G02	
CN306	UE0147	Connector	TE 1608-PI28G05	
D301	XD0134	Diode	RB450FT106	
D302	XD0057	Diode	1SS184	
D305	XL0016	LED	SLM-1 3MWSFT96B	
D307	XD0103	Diode	1SS226TE85L	
D308	XD0103	Diode	1SS226TE85L	
D309	XD0103	Diode	1SS226TE85L	
IC301	XA0222	IC	M37410M4H331 FP	
IC301	XA0508	IC	M37410M4H332 FP	AN/QN
IC303	XA0208	IC	RH5VA45AA-T 1	
IC304	XA0198	IC	R H 5VA32AA-T 1	
Q301	XT0095	Trangistor	2SC4081T106R	
Q302	XU0038	Trangistor	UN2214-TX	
Q303	XU0040	Trangistor	UN211H-TX	
Q304	XU0038	Trangistor	UN2214-TX	
Q305	XT0095	Trangistor	2SC4081T106R	
R301	RK3054	Chip R.	ERJ3GSYJ223V	
R302	RK3050	Chip R.	ERJ3GSYJ103V	
R303	RK3052	Chip R.	ERJ3GSYJ153V	
R303	RK3055	Chip R.	ERJ3GSYJ273V	AN/QN
R304	RK3058	Chip R.	ERJ3GSYJ473V	
R307	RK3031	Chip R.	ERJ3GSYJ271V	
R309	RK3074	Chip R.	ERJ3GSYJ105V	
R310	RK3056	Chip R.	ERJ3GSYJ333V	
R311	RK3074	Chip R.	ERJ3GSYJ105V	
R312	RK3038	Chip R.	ERJ3GSYJ102V	
R313	RK3038	Chip R.	ERJ3GSYJ102V	
R314	RK3056	Chip R.	ERJ3GSYJ333V	
R315	RK3056	Chip R.	ERJ3GSYJ333V	
R316	RK3074	Chip R.	ERJ3GSYJ105V	
R317	RK3050	Chip R.	ERJ3GSYJ103V	
R318	RK3038	Chip R.	ERJ3GSYJ102V	
R319	RK3036	Chip R.	ERJ3GSYJ681V	
R320	RK3046	Chip R.	ERJ3GSYJ472V	
R321	RK3062	Chip R.	ERJ3GSYJ104V	
R322	RK3058	Chip R.	ERJ3GSYJ473V	

Parts No.	Description	Parts Name	Ver
RK3058	Chip R.	ERJ3GSYJ473V	
RK3058	Chip R.	ERJ3GSYJ473V	
RK3062	Chip R.	ERJ3GSYJ104V	
RK3052	Chip R.	ERJ3GSYJ153V	
			Е
			T/1400
RK3070	Chip R.	ERJ3GSYJ474V	
RK3038	Chip R.	ERJ3GSYJ102V	
RK3038	Chip R.	ERJ3GSYJ102V	
RK3038	Chip R.	ERJ3GSYJ102V	
RK3052	Chip R.	ERJ3GSYJ153V	
RK3056	Chip R.	ERJ3GSYJ333V	
RK3051	Chip R.	ERJ3GSYJ123V	
RK3046	Chip R.	ERJ3GSYJ472V	
-			Е
-			Е
-			T/1400
RK3001	Chip R.	ERJ3GSY0R00V	
RK3001	Chip R.	ERJ3GSY0R00V	
RK3001	Chip R.	ERJ3GSY0R00V	
XB0008	Crystal	CSAC3.58MGC-TC	
MPCKH8AA	Wire	DJ-180 J301 (T series)	T
MTCK03AA	Wire	DJ-180 J302 (E series)	Е
MPCK03AA	Wire	DJ-180 J302 (1400 series	1400
EL0020A	LCD	DI145 (F/1400 series)	
	oropnone		
ST0031		LCD Flame	
	RK3058 RK3058 RK3058 RK3062 RK3062 RK3062 RK3070 RK3070 RK3038 RK3038 RK3038 RK3052 RK3056 RK3051 RK3001 RK3001 RK3001 RK3001 RK3001 RK3001 RK3001 SB0008 MPCKH8AA MTCK03AA MPCK03AA EL0020A EY0015 FF0022 DH0008 FG0099	RK3058 Chip R. RK3058 Chip R. RK3062 Chip R. RK3062 Chip R. RK3052 Chip R. RK3070 Chip R. RK3038 Chip R. RK3038 Chip R. RK3038 Chip R. RK3036 Chip R. RK3051 Chip R. RK3051 Chip R. RK3001 Chip R. RK30008 Crystal MPCKH8AA Wire MTCK03AA Wire MTCK03AA Wire MPCK03AA Wire FF0022 DH0008 FG0099	RK3058 Chip R. ERJ3GSYJ473V RK3058 Chip R. ERJ3GSYJ173V RK3062 Chip R. ERJ3GSYJ104V RK3052 Chip R. ERJ3GSYJ103V RK3070 Chip R. ERJ3GSYJ174V RK3038 Chip R. ERJ3GSYJ102V RK3038 Chip R. ERJ3GSYJ102V RK3038 Chip R. ERJ3GSYJ102V RK3052 Chip R. ERJ3GSYJ153V RK3056 Chip R. ERJ3GSYJ333V RK3051 Chip R. ERJ3GSYJ123V RK3004 Chip R. ERJ3GSYJ472V - - - - RK3001 Chip R. ERJ3GSY0R00V RK3001 Chip R. DJ-180 J301 (T series) MPCKHBAA Wire DJ-180 J302 (E series) MPCK03AA Wi

		PS Unit	UP0220 1/2	
W901	UX1034	Wire	DJ145	
	AF0020		02+3FeNi	
	FM0063		Rear Case	
	SD0025		Plus Terminal	
	YZ0044		Screw Lock 1401C	

ROM1 Unit / DTMF Unit / RF Unit

Ref No	Parts No.	Description	Parts Name	Ver
		ROM1 Unit	UP0220 1/2	all
CN601	UE0132	Connector	DF9A-9P-1V	
IC601	XA0363	IC	AT24C01A-10SI-2.7	
R601	RK3062	Chip R.	ERJ3GSYJ104V	
R602	RK3062	Chip R.	ERJ3GSYJ104V	
		DTMF Unit	UP0220 1/2	
C401	CS0256	Chip Tantal	ECST1AY225R	DJ180
C403	CU3047	Chip C.	С1608ЈВ1Н103КТ-А	DJ180
IC401	XA0042	IC	LR408721	DJ180
Q401	XU0041	Digital T.	XN1A312-TX	DJ180
R401	RK3058	Chip R.	ERJ3GSYJ473V	DJ180
R402	RK3058	Chip R.	ERJ3GSYJ473V	DJ180
VR401	RH0103	Trim.Pot	EVM1YSX50B14	DJ180
W401	UX1036	Wire	DJ-145N	DJ180
X401	XB0001	Crystal	FARC4CAO3580000KO 1 R	DJ180
	AF0020		02+3FeNi	DJ180
	FG0101AZ		SiliconTenKey	DJ180
	KM0138		Keypad Panel	DJ180
	TW0003		Water Proof Cushion	
	KM0136		Keypad Panel	1400

RF Unit				OM1 Unit / DTMF Unit /	
C2 CU3004 Chip C. C1608CH1H030CT-A C3 CU3018 Chip C. C1608CH1H390JT-A C4 CU3003 Chip C. C1608CH1H390JT-A C5 CU3017 Chip C. C1608CH1H10JJT-A C6 CU3023 Chip C. C1608CH1H10JJT-A C7 CU3013 Chip C. C1608CH1H15JJT-A C10 CU3015 Chip C. C1608CH1H13JJT-A C10 CU3017 Chip C. C1608CH1H22OJT-A C11 CU3017 Chip C. C1608CH1H33JJT-A C12 CU3033 Chip C. C1608CH1H33JJT-A C13 CU3035 Chip C. C1608CH1H33JJT-A C14 CU3035 Chip C. C1608CH1H33JJT-A C15 CU3017 Chip C. C1608CH1H33JJT-A C16 CU30307 Chip C. C1608CH1H33JJT-A C15 CU3017 Chip C. C1608CH1H33JJT-A C16 CU30017 Chip C. C1608CH1H13JJT-A C17 CU3017 Chip C.	Ref No	Parts No.	Description	Parts Name	Ver
C3 CU3018 Chip C. C1608CH1H390T-A C4 CU3003 Chip C. C1608CH1H300T-A C5 CU3017 Chip C. C1608CH1H330T-A C6 CU3023 Chip C. C1608CH1H130T-A C7 CU3013 Chip C. C1608CH1H151T-A C8 CU3025 Chip C. C1608CH1H120T-A C10 CU3015 Chip C. C1608CH1H220T-A C11 CU3017 Chip C. C1608CH1H330T-A C12 CU3003 Chip C. C1608CH1H330T-A C13 CU3035 Chip C. C1608CH1H330T-A C14 CU3035 Chip C. C1608CH1H330T-A C15 CU3017 Chip C. C1608CH1H330T-A C16 CU3003 Chip C. C1608CH1H330T-A C17 CU3017 Chip C. C1608CH1H020CT-A C16 CU3003 Chip C. C1608JB1H102KT-A C25 CU3035 Chip C. C1608CH1H300CT-A C26 CU3035 Chip C. C16				UP0221	
C4 CU3003 Chip C. C1608CH1H020CT-A C5 CU3017 Chip C. C1608CH1H130JT-A C6 CU3023 Chip C. C1608CH1H150JT-A C7 CU3013 Chip C. C1608CH1H150JT-A C8 CU3025 Chip C. C1608CH1H120JT-A C10 CU3015 Chip C. C1608CH1H220JT-A C11 CU3003 Chip C. C1608CH1H220JT-A C12 CU3003 Chip C. C1608CH1H020CT-A C13 CU3035 Chip C. C1608CH1H330JT-A C14 CU3035 Chip C. C1608CH1H330JT-A C15 CU3017 Chip C. C1608CH1H330JT-A C16 CU30017 Chip C. C1608CH1H330JT-A C17 CU3017 Chip C. C1608CH1H330JT-A C16 CU3007 Chip C. C1608CH1H330JT-A C17 CU3017 Chip C. C1608CH1H330JT-A C25 CU3035 Chip C. C1608CH1H303CT-A C27 CU3035 Chip C.		CU3004			
C5 CU3017 Chip C. C1608CH1H130JT-A C6 CU3023 Chip C. C1608CH1H150JT-A C7 CU3013 Chip C. C1608CH1H150JT-A C8 CU3025 Chip C. C1608CH1H150JT-A C10 CU3015 Chip C. C1608CH1H320JT-A C11 CU3017 Chip C. C1608CH1H320JT-A C12 CU3003 Chip C. C1608CH1H330JT-A C14 CU3035 Chip C. C1608CH1H330JT-A C15 CU3017 Chip C. C1608CH1H330JT-A C16 CU3003 Chip C. C1608CH1H330JT-A C17 CU3017 Chip C. C1608CH1H330JT-A C25 CU3037 Chip C. C1608CH1H030CT-A C17 CU3017 Chip C. C1608CH1H03CT-A C27 CU3035 Chip C. C1608CH1H03CT-A C28 CU30047 Chip C. C1608CH1H03CT-A C30 CU3035 Chip C. C1608CH1H103KT-A C31 CU30035 Chip C.	C3	CU3018	Chip C.	C1608CH1H390JT-A	
C6 CU3023 Chip C. C1608CH1H101JT-A C7 CU3013 Chip C. C1608CH1H15JT-A C8 CU3025 Chip C. C1608CH1H15JT-A C10 CU3015 Chip C. C1608CH1H330T-A C11 CU3017 Chip C. C1608CH1H330T-A C12 CU3003 Chip C. C1608CH1H020CT-A C13 CU3035 Chip C. C1608CH1H330JT-A C14 CU3035 Chip C. C1608CH1H330JT-A C15 CU3017 Chip C. C1608CH1H330JT-A C16 CU3003 Chip C. C1608CH1H020CT-A C17 CU3017 Chip C. C1608CH1H020CT-A C17 CU3017 Chip C. C1608JH1H02KT-A C25 CU3047 Chip C. C1608JH1H02KT-A C27 CU3035 Chip C. C1608JH1H02KT-A C28 CU3011 Chip C. C1608JH1H03KT-A C29 CU3047 Chip C. C1608JH1H03KT-A C31 CU3035 Chip C.	C4	CU3003	Chip C.	C1608CH1H020CT-A	
C6 CU3023 Chip C. C1608CH1H101JT-A C7 CU3013 Chip C. C1608CH1H15JT-A C8 CU3025 Chip C. C1608CH1H15JT-A C10 CU3015 Chip C. C1608CH1H220JT-A C11 CU3017 Chip C. C1608CH1H230JT-A C12 CU3003 Chip C. C1608CH1H20CT-A C13 CU3035 Chip C. C1608CH1H20ZKT-A C14 CU3035 Chip C. C1608CH1H20ZKT-A C15 CU3017 Chip C. C1608CH1H330JT-A C16 CU3003 Chip C. C1608CH1H32AJT-A C17 CU3017 Chip C. C1608CH1H02CT-A C17 CU3017 Chip C. C1608JB1H102KT-A C25 CU3035 Chip C. C1608JB1H102KT-A C27 CU3035 Chip C. C1608JB1H102KT-A C28 CU3011 Chip C. C1608CH1H300T-A C28 CU3017 Chip C. C1608JB1H102KT-A C32 CU3035 Chip C.	C5	CU3017	Chip C.	C1608CH1H330JT-A	
C7 CU3013 Chip C. C1608CH1H150JT-A C8 CU3025 Chip C. C1608CH1H150JT-A C10 CU3015 Chip C. C1608CH1H120JT-A C11 CU3017 Chip C. C1608CH1H220JT-A C12 CU3003 Chip C. C1608CH1H220JT-A C13 CU3035 Chip C. C1608JB1H102KT-A C14 CU3035 Chip C. C1608CH1H330JT-A C15 CU3017 Chip C. C1608CH1H330JT-A C16 CU30017 Chip C. C1608CH1H330JT-A C16 CU30017 Chip C. C1608CH1H330JT-A C16 CU30017 Chip C. C1608CH1H330JT-A C25 CU3047 Chip C. C1608CH1H330JT-A C26 CU3047 Chip C. C1608CH1H03CT-A C28 CU3004 Chip C. C1608CH1H03CT-A C30 CU3035 Chip C. C1608CH1H03CT-A C31 CU3035 Chip C. C1608CH1H103KT-A C31 CU3035 Chip C. <td>C6</td> <td>CU3023</td> <td></td> <td>C1608CH1H101JT-A</td> <td></td>	C6	CU3023		C1608CH1H101JT-A	
C8 CU3025 Chip C. C1608CH1H151JT-A C10 CU3015 Chip C. C1608CH1H220JT-A C11 CU3017 Chip C. C1608CH1H230JT-A C12 CU3003 Chip C. C1608CH1H020CT-A C13 CU3035 Chip C. C1608JB1H102KT-A C14 CU3035 Chip C. C1608CH1H330JT-A C15 CU3017 Chip C. C1608CH1H330JT-A C16 CU3003 Chip C. C1608CH1H330JT-A C17 CU3017 Chip C. C1608CH1H030CT-A C17 CU3017 Chip C. C1608JB1H102KT-A C26 CU3047 Chip C. C1608CH1H030CT-A C27 CU3035 Chip C. C1608CH1H030CT-A C28 CU30047 Chip C. C1608CH1H030CT-A C30 CU3035 Chip C. C1608CH1H03CT-A C31 CU3005 Chip C. C1608CH1H102KT-A C31 CU3005 Chip C. C1608CH1H150JT-A C32 CU3035 Chip C. <td>C7</td> <td>CU3013</td> <td></td> <td>C1608CH1H150JT-A</td> <td></td>	C7	CU3013		C1608CH1H150JT-A	
C10 CU3015 Chip C. C1608CH1H220JT-A C11 CU3017 Chip C. C1608CH1H330JT-A C12 CU3003 Chip C. C1608CH1H020CT-A C13 CU3035 Chip C. C1608JB1H102KT-A C14 CU3035 Chip C. C1608CH1H330JT-A C15 CU3017 Chip C. C1608CH1H330JT-A C16 CU3003 Chip C. C1608CH1H330JT-A C25 CU3047 Chip C. C1608JB1H102KT-A C26 CU3047 Chip C. C1608JB1H102KT-A C27 CU3035 Chip C. C1608JB1H102KT-A C28 CU3004 Chip C. C1608JB1H102KT-A C29 CU3047 Chip C. C1608JB1H102KT-A C30 CU3035 Chip C. C1608JB1H102KT-A C31 CU3047 Chip C. C1608JB1H102KT-A C31 CU3035 Chip C. C1608JB1H102KT-A C31 CU3035 Chip C. C1608JB1H102KT-A C32 CU3035 Chip C. </td <td></td> <td></td> <td></td> <td></td> <td></td>					
C11 CU3017 Chip C. C1608CH1H330JT-A C12 CU3003 Chip C. C1608CH1H020CT-A C13 CU3035 Chip C. C1608JB1H102KT-A C14 CU3035 Chip C. C1608JB1H102KT-A C15 CU3017 Chip C. C1608CH1H330JT-A C16 CU3003 Chip C. C1608CH1H330JT-A C17 CU3017 Chip C. C1608CH1H330JT-A C25 CU3059 Chip C. C1608JB1H103KT-A C25 CU3047 Chip C. C1608JB1H102KT-A C26 CU30047 Chip C. C1608CH1H00DT-A Narro C28 CU3004 Chip C. C1608CH1H100DT-A Narro C28 CU3004 Chip C. C1608JB1H102KT-A C31 C31 C3006 Chip C. C1608JB1H102KT-A C31 C31 C33 C33 C0335 Chip C. C1608JB1H102KT-A C32 C33 C0335 Chip C. C1608CH1H150JT-A C35 C33 C0335 Chip C. C1608CH1H150JT-A					
C12 CU3003 Chip C. C1608CH1H020CT-A C13 CU3035 Chip C. C1608JB1H102KT-A C14 CU3035 Chip C. C1608CH1H330JT-A C15 CU3017 Chip C. C1608CH1H330JT-A C16 CU3003 Chip C. C1608CH1H330JT-A C17 CU3017 Chip C. C1608CH1H330JT-A C25 CU3059 Chip C. C1608JB1H102KT-A C26 CU3047 Chip C. C1608JB1H102KT-A C27 CU3035 Chip C. C1608CH1H030CT-A Wide C28 CU3011 Chip C. C1608CH1H030CT-A Wide C28 CU3011 Chip C. C1608CH1H050CT-A Narro C30 CU3035 Chip C. C1608JB1H102KT-A C30 C31 CU3035 Chip C. C1608JB1H102KT-A C31 C33 CU3035 Chip C. C1608JB1H102KT-A C33 C33 CU3035 Chip C. C1608JB1H102KT-A C33 C33 CU3035 Chip C. C1608JB1H102KT-A <td< td=""><td></td><td></td><td></td><td></td><td></td></td<>					
C13 CU3035 Chip C. C1608JB1H102KT-A C14 CU3035 Chip C. C1608ZB1H102KT-A C15 CU3017 Chip C. C1608CH1H330JT-A C16 CU3003 Chip C. C1608CH1H330JT-A C17 CU3017 Chip C. C1608CH1H330JT-A C25 CU3035 Chip C. C1608JB1H103KT-A C26 CU3047 Chip C. C1608B1H103KT-A C27 CU3035 Chip C. C1608CH1H00DT-A C28 CU3011 Chip C. C1608CH1H100DT-A C29 CU3047 Chip C. C1608B1H102KT-A C30 CU3035 Chip C. C1608B1H102KT-A C31 CU3035 Chip C. C1608B1H102KT-A C32 CU3013 Chip C. C1608CH1H150JT-A C33 CU3035 Chip C.					
C14 CU3035 Chip C. C1608DB1H102KT-A C15 CU3017 Chip C. C1608CH1H330TT-A C16 CU3003 Chip C. C1608CH1H330TT-A C17 CU3017 Chip C. C1608CH1H330TT-A C25 CU3059 Chip C. C1608JB1H103KT-A C26 CU3047 Chip C. C1608CH1H030CT-A C27 CU3035 Chip C. C1608CH1H00DT-A C28 CU30011 Chip C. C1608CH1H03DKT-A C29 CU3047 Chip C. C1608CH1H00DT-A C29 CU3047 Chip C. C1608B1H102KT-A C30 CU3035 Chip C. C1608B1H102KT-A C31 CU3006 Chip C. C1608CH1H150T-A C31 CU3035 Chip C. C1608B1H102KT-A C32 CU3035 Chip C. C1608CH1H150JT-A C33 CU3013 Chip C. C1608CH1H150JT-A C35 CU3013 Chip C. C1608CH1H150JT-A C35 CU3013 Chip C.					
C15 CU3017 Chip C. C1608CH1H330JT-A C16 CU3003 Chip C. C1608CH1H30JT-A C17 CU3017 Chip C. C1608CH1H330JT-A C25 CU3059 Chip C. C1608JB1H103KT-A C26 CU3047 Chip C. C1608JB1H103KT-A C27 CU3035 Chip C. C1608CH1H030CT-A Wide C28 CU3001 Chip C. C1608CH1H030CT-A Wide C28 CU3011 Chip C. C1608CH1H030CT-A Wide C29 CU3047 Chip C. C1608JB1H102KT-A C30 C9305 Chip C. C1608JB1H102KT-A C31 C30 C03035 Chip C. C1608JB1H102KT-A C32 C33 C03035 Chip C. C1608JB1H102KT-A C33 C03035 Chip C. C1608JB1H102KT-A C34 C031 Chip C. C1608JB1H102KT-A C35 C031 Chip C. C1608JB1H102KT-A C35 C031 Chip C. C1608JB1H102KT-A C36 C03355 Chip C. C1608JB1H102KT-A C38					-
C16 CU3003 Chip C. C1608CH1H020CT-A C17 CU3017 Chip C. C1608CH1H330JT-A C25 CU3059 Chip C. C1608JF1E104ZT-A C26 CU3047 Chip C. C1608JB1H103KT-A C27 CU3035 Chip C. C1608CH1H030CT-A Wide C28 CU3004 Chip C. C1608CH1H030CT-A Narro C28 CU3011 Chip C. C1608CH1H050CT-A Narro C30 CU3035 Chip C. C1608CH1H150T-A Narro C31 CU3006 Chip C. C1608CH1H150T-A C31 C31 CU3035 Chip C. C1608CH1H150JT-A C32 C33 CU3035 Chip C. C1608CH1H150JT-A C35 C33 CU3013 Chip C. C1608CH1H150JT-A C35 C33013 Chip C. C1608JB1H102KT-A C35 C35 CU3013 Chip C. C1608JB1H102KT-A C36 C37 CU3035 Chip C. C1608JB1H102KT-A C37 CU3035 Chip C. C1608JB1H102KT-A C37					
C17 CU3017 Chip C. C1608CH1H330JT-A C25 CU3059 Chip C. C1608JF1E104ZT-A C26 CU3047 Chip C. C1608JB1H103KT-A C27 CU3035 Chip C. C1608CH1H030CT-A Wide C28 CU3004 Chip C. C1608CH1H030CT-A Narro C29 CU3047 Chip C. C1608JB1H102KT-A Narro C30 CU3035 Chip C. C1608JB1H102KT-A C31 CU3006 Chip C. C1608JB1H102KT-A C32 CU3035 Chip C. C1608JB1H102KT-A C33 CU3035 Chip C. C1608JB1H102KT-A C33 CU3035 Chip C. C1608JB1H102KT-A C33 CU3013 Chip C. C1608CH1H150JT-A C35 C33 CU3013 Chip C. C1608JB1H102KT-A C36 C35 CU3013 Chip C. C1608JB1H102KT-A C37 CU3035 Chip C. C1608JB1H102KT-A C37 CU3035 Chip C. C1608JB1H102KT-A C39 CU3035 Chip C. C1608JB1H102KT-A C41 C41					
C25 CU3059 Chip C. C1608JF1E104ZT-A C26 CU3047 Chip C. C1608JB1H103KT-A C27 CU3035 Chip C. C1608JB1H103KT-A C28 CU3004 Chip C. C1608CH1H1030CT-A Wide C28 CU3004 Chip C. C1608CH1H103KT-A Narro C29 CU3047 Chip C. C1608JB1H102KT-A C30 C03035 Chip C. C1608B1H102KT-A C31 CU3006 Chip C. C1608CH1H150JT-A C32 CU3035 Chip C. C1608CH1H150JT-A C33 CU3035 Chip C. C1608CH1H150JT-A C33 CU3035 Chip C. C1608CH1H150JT-A C34 C03013 Chip C. C1608CH1H150JT-A C35 CU3013 Chip C. C1608CH1H150JT-A C35 CU3013 Chip C. C1608JB1H102KT-A C36 CU3035 Chip C. C1608JB1H102KT-A C37 CU3035 Chip C. C1608JB1H102KT-A C38 CU3035 Chip C. C1608JB1H102KT-A C40 CU3035 Chip C. C1608JB1H102KT-A C41					
C26 CU3047 Chip C. C1608JB1H103KT-A C27 CU3035 Chip C. C1608B1H102KT-A C28 CU3001 Chip C. C1608CH1H103DCT-A Wide C28 CU3011 Chip C. C1608CH1H103DCT-A Narro C29 CU3047 Chip C. C1608JB1H103KT-A C30 CU3035 Chip C. C1608JB1H102KT-A C31 CU3006 Chip C. C1608JB1H102KT-A C32 CU3035 Chip C. C1608CH1H150JT-A C33 CU3035 Chip C. C1608CH1H150JT-A C34 CU3013 Chip C. C1608JB1H102KT-A C35 CU3013 Chip C. C1608JB1H102KT-A C36 CU3035 Chip C. C1608JB1H102KT-A C37 CU3035 Chip C. C1608JB1H102KT-A C39 CU3035 Chip C. C1608JB1H102KT-A C40 CU3035 Chip C. C1608JB1H102KT-A C41 CU3035 Chip C. C1608JB1H102KT-A C42					
C27 CU3035 Chip C. C1608JB1H102KT-A Wide C28 CU3004 Chip C. C1608CH1H030CT-A Wide C28 CU3011 Chip C. C1608CH1H00DT-A Narro C29 CU3047 Chip C. C1608JB1H102KT-A C C30 CU3035 Chip C. C1608CH1H050CT-A C C31 CU30035 Chip C. C1608CH1H150T-A C C32 CU3035 Chip C. C1608CH1H150JT-A C C33 CU3013 Chip C. C1608CH1H150JT-A C C35 CU3013 Chip C. C1608CH1H150JT-A C C36 CU3035 Chip C. C1608JB1H102KT-A C C37 CU3035 Chip C. C1608JB1H102KT-A C C37 CU3035 Chip C. C1608JB1H102KT-A C C39 CU3035 Chip C. C1608JB1H102KT-A C C40 CU3035 Chip C. C1608JB1H102KT-A C C41 CU303					
C28 CU3004 Chip C. C1608CH1H030CT-A Wide C28 CU3011 Chip C. C1608CH1H100DT-A Narro C29 CU3047 Chip C. C1608JB1H103KT-A C30 C30 CU3035 Chip C. C1608JB1H102KT-A C31 C31 CU3006 Chip C. C1608CH1H050CT-A C32 C32 CU3035 Chip C. C1608CH1H150JT-A C33 C33 CU3013 Chip C. C1608CH1H150JT-A C34 C34 CU3013 Chip C. C1608JB1H102KT-A C35 CU3035 Chip C. C1608JB1H102KT-A C36 C36 CU3035 Chip C. C1608JB1H102KT-A C37 CU3035 Chip C. C1608JB1H102KT-A C38 CU3035 Chip C. C1608JB1H102KT-A C39 CU3035 Chip C. C1608JB1H102KT-A C40 C03035 Chip C. C1608JB1H102KT-A C41 C42 CU3015 Chip C. C1608CH1H20JT-A C42 C42 CU3015 Chip C. C1608CH1H102KT-A C44					
C28 CU3011 Chip C. C1608CH1H100DT-A Narro C29 CU3047 Chip C. C1608JB1H103KT-A C1608JB1H103KT-A C31 CU3006 Chip C. C1608JB1H102KT-A C1608ZH1H050CT-A C31 CU3035 Chip C. C1608ZH1H102KT-A C1608ZH1H150JT-A C33 CU3013 Chip C. C1608CH1H150JT-A C1608ZH1H150JT-A C34 CU3013 Chip C. C1608ZH1H150JT-A C1608ZH1H150JT-A C35 CU3013 Chip C. C1608ZB1H102KT-A C1608ZB1H102KT-A C36 CU3035 Chip C. C1608JB1H102KT-A C1608ZB1H102KT-A C38 CU3035 Chip C. C1608ZB1H102KT-A C1608ZB1H102KT-A C39 CU3035 Chip C. C1608ZB1H102KT-A C160ZECCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC					
C29 CU3047 Chip C. C1608JB1H103KT-A C30 CU3035 Chip C. C1608JB1H102KT-A C31 CU3006 Chip C. C1608JB1H102KT-A C32 CU3035 Chip C. C1608JB1H102KT-A C33 CU3013 Chip C. C1608CH1H150JT-A C35 CU3013 Chip C. C1608CH1H150JT-A C36 CU3035 Chip C. C1608JB1H102KT-A C37 CU3035 Chip C. C1608JB1H102KT-A C38 CU3035 Chip C. C1608JB1H102KT-A C39 CU3035 Chip C. C1608JB1H102KT-A C40 CU3035 Chip C. C1608JB1H102KT-A C41 CU3035 Chip C. C1608JB1H102KT-A C41 CU3035 Chip C. C1608JB1H102KT-A C42 CU3015 Chip C. C1608CH1H120JT-A C44 CU3035 Chip C. C1608CH1H120JT-A C44 CU3035 Chip C. C1608CH1H20JT-A C44 CU3035 Chip C. <td></td> <td></td> <td></td> <td></td> <td></td>					
C30 CU3035 Chip C. C1608JB1H102KT-A C31 CU3006 Chip C. C1608CH1H050CT-A C32 CU3035 Chip C. C1608JB1H102KT-A C34 CU3013 Chip C. C1608BH1H102KT-A C34 CU3013 Chip C. C1608CH1H150JT-A C35 CU3013 Chip C. C1608JB1H102KT-A C36 CU3035 Chip C. C1608JB1H102KT-A C37 CU3035 Chip C. C1608JB1H102KT-A C38 CU3035 Chip C. C1608JB1H102KT-A C39 CU3035 Chip C. C1608JB1H102KT-A C40 CU3035 Chip C. C1608JB1H102KT-A C41 CU3035 Chip C. C1608JB1H102KT-A C42 CU3015 Chip C. C1608CH1H20JT-A C44 CU3035 Chip C. C1608CH1H20JT-A C44 CU3035 Chip C. C1608CH1H20JT-A C44 CU3035 Chip C. C1608CH1H20JT-A C45 CU3035 Chip C.					Narrow
C31 CU3006 Chip C. C1608CH1H050CT-A C32 CU3035 Chip C. C1608JB1H102KT-A C33 CU3035 Chip C. C1608JB1H102KT-A C34 CU3013 Chip C. C1608CH1H150JT-A C35 CU3013 Chip C. C1608JB1H102KT-A C36 CU3035 Chip C. C1608JB1H102KT-A C37 CU3035 Chip C. C1608JB1H102KT-A C38 CU3035 Chip C. C1608JB1H102KT-A C39 CU3035 Chip C. C1608JB1H102KT-A C40 CU3035 Chip C. C1608JB1H102KT-A C41 CU3035 Chip C. C1608JB1H102KT-A C42 CU3015 Chip C. C1608CH1H220JT-A C43 CU3013 Chip C. C1608JB1H102KT-A C44 CU3035 Chip C. C1608JB1H102KT-A C45 CU3035 Chip C. C1608CH1H220JT-A C46 CU3015 Chip C. C1608CH1H220JT-A C47 CU3016 Chip C. <td>C29</td> <td>CU3047</td> <td></td> <td>C1608JB1H103KT-A</td> <td></td>	C29	CU3047		C1608JB1H103KT-A	
C31 CU3006 Chip C. C1608CH1H050CT-A C32 CU3035 Chip C. C1608JB1H102KT-A C33 CU3035 Chip C. C1608JB1H102KT-A C34 CU3013 Chip C. C1608CH1H150JT-A C35 CU3013 Chip C. C1608JB1H102KT-A C36 CU3035 Chip C. C1608JB1H102KT-A C37 CU3035 Chip C. C1608JB1H102KT-A C38 CU3035 Chip C. C1608JB1H102KT-A C39 CU3035 Chip C. C1608JB1H102KT-A C40 CU3035 Chip C. C1608JB1H102KT-A C41 CU3035 Chip C. C1608JB1H102KT-A C42 CU3015 Chip C. C1608CH1H220JT-A C43 CU3013 Chip C. C1608JB1H102KT-A C44 CU3035 Chip C. C1608JB1H102KT-A C45 CU3035 Chip C. C1608CH1H220JT-A C46 CU3015 Chip C. C1608CH1H220JT-A C47 CU3016 Chip C. <td>C30</td> <td>CU3035</td> <td></td> <td></td> <td></td>	C30	CU3035			
C33 CU3035 Chip C. C1608JB1H102KT-A C34 CU3013 Chip C. C1608CH1H150JT-A C35 CU3013 Chip C. C1608CH1H150JT-A C36 CU3035 Chip C. C1608JB1H102KT-A C37 CU3035 Chip C. C1608JB1H102KT-A C38 CU3035 Chip C. C1608JB1H102KT-A C39 CU3035 Chip C. C1608JB1H102KT-A C40 CU3035 Chip C. C1608JB1H102KT-A C41 CU3035 Chip C. C1608JB1H102KT-A C42 CU3015 Chip C. C1608CH1H220JT-A C43 CU3013 Chip C. C1608JB1H102KT-A C44 CU3035 Chip C. C1608CH1H220JT-A C44 CU3035 Chip C. C1608CH1H220JT-A C44 CU3015 Chip C. C1608CH1H220JT-A C46 CU3015 Chip C. C1608CH1H270JT-A C47 CU3016 Chip C. C1608CH1H390JT-A 2/TB2 C48 CU3018	C31	CU3006	Chip C.	C1608CH1H050CT-A	
C34 CU3013 Chip C. C1608CH1H150JT-A C35 CU3013 Chip C. C1608CH1H150JT-A C36 CU3035 Chip C. C1608JB1H102KT-A C37 CU3035 Chip C. C1608JB1H102KT-A C38 CU3035 Chip C. C1608JB1H102KT-A C39 CU3035 Chip C. C1608JB1H102KT-A C40 CU3035 Chip C. C1608JB1H102KT-A C41 CU3035 Chip C. C1608CH1H220JT-A C42 CU3013 Chip C. C1608CH1H150JT-A C43 CU3013 Chip C. C1608CH1H150JT-A C44 CU3035 Chip C. C1608CH1H220JT-A C44 CU3015 Chip C. C1608CH1H220JT-A C46 CU3013 Chip C. C1608CH1H270JT-A C46 CU3013 Chip C. C1608CH1H150JT-A C47 CU3016 Chip C. C1608CH1H390JT-A C48 CU3019 Chip C. C1608CH1H390JT-A C48 CU3035 Chip C. <td>C32</td> <td>CU3035</td> <td>Chip C.</td> <td>C1608JB1H102KT-A</td> <td></td>	C32	CU3035	Chip C.	C1608JB1H102KT-A	
C34 CU3013 Chip C. C1608CH1H150JT-A C35 CU3013 Chip C. C1608CH1H150JT-A C36 CU3035 Chip C. C1608JB1H102KT-A C37 CU3035 Chip C. C1608JB1H102KT-A C38 CU3035 Chip C. C1608JB1H102KT-A C39 CU3035 Chip C. C1608JB1H102KT-A C40 CU3035 Chip C. C1608JB1H102KT-A C41 CU3035 Chip C. C1608CH1H220JT-A C42 CU3015 Chip C. C1608CH1H150JT-A C44 CU3035 Chip C. C1608CH1H150JT-A C44 CU3035 Chip C. C1608CH1H220JT-A C44 CU3035 Chip C. C1608CH1H220JT-A C45 CU3015 Chip C. C1608CH1H220JT-A C46 CU3013 Chip C. C1608CH1H270JT-A C47 CU3016 Chip C. C1608CH1H390JT-A 2/TB2 C48 CU3018 Chip C. C1608CH1H390JT-A 2/TB2 C48		CU3035			
C35 CU3013 Chip C. C1608CH1H150JT-A C36 CU3035 Chip C. C1608JB1H102KT-A C37 CU3035 Chip C. C1608JB1H102KT-A C38 CU3035 Chip C. C1608JB1H102KT-A C39 CU3035 Chip C. C1608JB1H102KT-A C40 CU3035 Chip C. C1608JB1H102KT-A C41 CU3035 Chip C. C1608CH1H220JT-A C42 CU3015 Chip C. C1608CH1H120JT-A C43 CU3013 Chip C. C1608CH1H120JT-A C44 CU3035 Chip C. C1608CH1H120JT-A C45 CU3015 Chip C. C1608CH1H220JT-A C46 CU3015 Chip C. C1608CH1H120JT-A C46 CU3015 Chip C. C1608CH1H1270JT-A C47 CU3016 Chip C. C1608CH1H390JT-A 2/TB2 C48 CU3013 Chip C. C1608CH1H390JT-A 2/TB2 C49 CU3035 Chip C. C1608CH1H270JT-A 2/TB2 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
C36 CU3035 Chip C. C1608JB1H102KT-A C37 CU3035 Chip C. C1608JB1H102KT-A C38 CU3035 Chip C. C1608JB1H102KT-A C39 CU3035 Chip C. C1608JB1H102KT-A C40 CU3035 Chip C. C1608JB1H102KT-A C41 CU3035 Chip C. C1608CH1H220JT-A C42 CU3015 Chip C. C1608CH1H120JT-A C43 CU3013 Chip C. C1608CH1H150JT-A C44 CU3035 Chip C. C1608CH1H120JT-A C45 CU3015 Chip C. C1608CH1H20JT-A C46 CU3015 Chip C. C1608CH1H270JT-A C46 CU3013 Chip C. C1608CH1H270JT-A C47 CU3016 Chip C. C1608CH1H470JT-A C48 CU3019 Chip C. C1608CH1H390JT-A C48 CU3018 Chip C. C1608CH1H270JT-A C49 CU3035 Chip C. C1608CH1H02KT-A C50 CU3035 Chip C.					
C37 CU3035 Chip C. C1608JB1H102KT-A C38 CU3035 Chip C. C1608JB1H102KT-A C39 CU3035 Chip C. C1608JB1H102KT-A C40 CU3035 Chip C. C1608JB1H102KT-A C41 CU3035 Chip C. C1608CH1H220JT-A C42 CU3015 Chip C. C1608CH1H120JT-A C43 CU3013 Chip C. C1608JB1H102KT-A C44 CU3035 Chip C. C1608JB1H102KT-A C45 CU3035 Chip C. C1608CH1H220JT-A C46 CU3015 Chip C. C1608CH1H220JT-A C46 CU3013 Chip C. C1608CH1H270JT-A C47 CU3016 Chip C. C1608CH1H470JT-A C48 CU3019 Chip C. C1608CH1H470JT-A C48 CU3018 Chip C. C1608CH1H390JT-A C49 CU3035 Chip C. C1608CH1H02KT-A C50 CU3035 Chip C. C1608JB1H102KT-A C51 CU3035 Chip C. <td></td> <td></td> <td></td> <td></td> <td></td>					
C38 CU3035 Chip C. C1608JB1H102KT-A C39 CU3035 Chip C. C1608JB1H102KT-A C40 CU3035 Chip C. C1608JB1H102KT-A C41 CU3035 Chip C. C1608JB1H102KT-A C42 CU3015 Chip C. C1608CH1H220JT-A C43 CU3013 Chip C. C1608JB1H102KT-A C44 CU3035 Chip C. C1608CH1H220JT-A C45 CU3015 Chip C. C1608CH1H220JT-A C46 CU3015 Chip C. C1608CH1H270JT-A C47 CU3016 Chip C. C1608CH1H270JT-A C48 CU3018 Chip C. C1608CH1H390JT-A C49 CU3035 Chip C. C1608CH1H390JT-A C49 CU3035 Chip C. C1608CH1H390JT-A C50 CU3035 Chip C. C1608JB1H102KT-A C51 CU3035 Chip C. C1608JB1H102KT-A C52 CU3035 Chip C. C1608JB1H102KT-A C54 CU3035 Chip C. <td></td> <td></td> <td></td> <td></td> <td></td>					
C39 CU3035 Chip C. C1608JB1H102KT-A C40 CU3035 Chip C. C1608JB1H102KT-A C41 CU3035 Chip C. C1608JB1H102KT-A C42 CU3015 Chip C. C1608CH1H220JT-A C43 CU3013 Chip C. C1608CH1H150JT-A C44 CU3035 Chip C. C1608JB1H102KT-A C45 CU3035 Chip C. C1608CH1H220JT-A C46 CU3015 Chip C. C1608CH1H220JT-A C46 CU3013 Chip C. C1608CH1H270JT-A C47 CU3016 Chip C. C1608CH1H390JT-A C48 CU3019 Chip C. C1608CH1H390JT-A C49 CU3035 Chip C. C1608CH1H390JT-A C50 CU3035 Chip C. C1608CH1H390JT-A C51 CU3035 Chip C. C1608JB1H102KT-A C51 CU3035 Chip C. C1608JB1H102KT-A C52 CU3035 Chip C. C1608JB1H102KT-A C53 CU3035 Chip C. <td></td> <td></td> <td></td> <td></td> <td></td>					
C40 CU3035 Chip C. C1608JB1H102KT-A C41 CU3035 Chip C. C1608JB1H102KT-A C42 CU3015 Chip C. C1608CH1H220JT-A C43 CU3013 Chip C. C1608CH1H150JT-A C44 CU3035 Chip C. C1608JB1H102KT-A C45 CU3035 Chip C. C1608CH1H220JT-A C46 CU3015 Chip C. C1608CH1H220JT-A C46 CU3013 Chip C. C1608CH1H270JT-A C47 CU3016 Chip C. C1608CH1H270JT-A C48 CU3019 Chip C. C1608CH1H390JT-A C49 CU3035 Chip C. C1608CH1H390JT-A 2/TB2 C49 CU3035 Chip C. C1608CH1H390JT-A 2/TB2 C50 CU3035 Chip C. C1608CH1H270JT-A 2/TB2 C51 CU3035 Chip C. C1608JB1H102KT-A C52 CU3035 Chip C. C1608JB1H102KT-A C52 CU3035 Chip C. C1608JB1H102KT-A C54 CU3					
C41 CU3035 Chip C. C1608JB1H102KT-A C42 CU3015 Chip C. C1608CH1H220JT-A C43 CU3013 Chip C. C1608CH1H150JT-A C44 CU3035 Chip C. C1608JB1H102KT-A C45 CU3015 Chip C. C1608CH1H1220JT-A C46 CU3013 Chip C. C1608CH1H150JT-A C47 CU3016 Chip C. C1608CH1H270JT-A C48 CU3019 Chip C. C1608CH1H390JT-A C48 CU3018 Chip C. C1608CH1H390JT-A C49 CU3035 Chip C. C1608CH1H390JT-A C49 CU3035 Chip C. C1608CH1H390JT-A C50 CU3035 Chip C. C1608CH1H102KT-A C51 CU3035 Chip C. C1608JB1H102KT-A C52 CU3035 Chip C. C1608JB1H102KT-A C53 CU3035 Chip C. C1608JB1H102KT-A C54 CU3035 Chip C. C1608CH1H330JT-A C55 CU3017 Chip C. </td <td></td> <td></td> <td></td> <td></td> <td></td>					
C42 CU3015 Chip C. C1608CH1H220JT-A C43 CU3013 Chip C. C1608CH1H150JT-A C44 CU3035 Chip C. C1608JB1H102KT-A C45 CU3015 Chip C. C1608CH1H12QJT-A C46 CU3013 Chip C. C1608CH1H150JT-A C47 CU3016 Chip C. C1608CH1H270JT-A C48 CU3019 Chip C. C1608CH1H390JT-A C48 CU3018 Chip C. C1608CH1H390JT-A C49 CU3035 Chip C. C1608CH1H390JT-A C50 CU3035 Chip C. C1608CH1H102KT-A C51 CU3035 Chip C. C1608JB1H102KT-A C51 CU3035 Chip C. C1608JB1H102KT-A C52 CU3035 Chip C. C1608JB1H102KT-A C53 CU3035 Chip C. C1608JB1H102KT-A C54 CU3035 Chip C. C1608JB1H102KT-A C55 CU3035 Chip C. C1608CH1H270JT-A C56 CU3017 Chip C. <td></td> <td></td> <td></td> <td></td> <td></td>					
C43 CU3013 Chip C. C1608CH1H150JT-A C44 CU3035 Chip C. C1608JB1H102KT-A C45 CU3035 Chip C. C1608CH1H220JT-A C46 CU3015 Chip C. C1608CH1H150JT-A C46 CU3013 Chip C. C1608CH1H150JT-A C47 CU3016 Chip C. C1608CH1H270JT-A C48 CU3019 Chip C. C1608CH1H390JT-A C48 CU3018 Chip C. C1608CH1H390JT-A C49 CU3035 Chip C. C1608CH1H390JT-A C50 CU3035 Chip C. C1608CH1H102KT-A C51 CU3035 Chip C. C1608JB1H102KT-A C52 CU3035 Chip C. C1608JB1H102KT-A C53 CU3035 Chip C. C1608JB1H102KT-A C54 CU3035 Chip C. C1608JB1H102KT-A C55 CU3035 Chip C. C1608CH1H330JT-A C56 CU3017 Chip C. C1608CH1H270JT-A C57 CU3023 Chip C. <td></td> <td></td> <td></td> <td></td> <td></td>					
C44 CU3035 Chip C. C1608JB1H102KT-A C45 CU3035 Chip C. C1608JB1H102KT-A C46 CU3015 Chip C. C1608CH1H220JT-A C46 CU3013 Chip C. C1608CH1H150JT-A C47 CU3016 Chip C. C1608CH1H270JT-A C48 CU3019 Chip C. C1608CH1H390JT-A C48 CU3018 Chip C. C1608CH1H390JT-A C49 CU3035 Chip C. C1608CH1H102KT-A C50 CU3035 Chip C. C1608JB1H102KT-A C51 CU3035 Chip C. C1608JB1H102KT-A C52 CU3035 Chip C. C1608JB1H102KT-A C53 CU3035 Chip C. C1608JB1H102KT-A C54 CU3035 Chip C. C1608JB1H102KT-A C55 CU3035 Chip C. C1608CH1H330JT-A C56 CU3017 Chip C. C1608CH1H270JT-A C57 CU3023 Chip C. C1608CH1H330JT-A C59 CU3017 Chip C. <td></td> <td></td> <td></td> <td></td> <td></td>					
C45 CU3035 Chip C. C1608JB1H102KT-A C46 CU3015 Chip C. C1608CH1H220JT-A C46 CU3013 Chip C. C1608CH1H220JT-A C47 CU3016 Chip C. C1608CH1H270JT-A C48 CU3019 Chip C. C1608CH1H470JT-A C48 CU3018 Chip C. C1608CH1H390JT-A C49 CU3035 Chip C. C1608CH1H102KT-A C50 CU3035 Chip C. C1608JB1H102KT-A C51 CU3035 Chip C. C1608JB1H102KT-A C52 CU3035 Chip C. C1608JB1H102KT-A C53 CU3035 Chip C. C1608JB1H102KT-A C54 CU3035 Chip C. C1608JB1H102KT-A C55 CU3015 Chip C. C1608CH1H330JT-A C56 CU3017 Chip C. C1608CH1H270JT-A 2/TB2 C57 CU3023 Chip C. C1608CH1H330JT-A QN/TA C59 CU3017 Chip C. C1608CH1H330JT-A QN/TA <tr< td=""><td></td><td></td><td></td><td></td><td></td></tr<>					
C46 CU3015 Chip C. C1608CH1H220JT-A C46 CU3013 Chip C. C1608CH1H150JT-A 2/TB2 C47 CU3016 Chip C. C1608CH1H270JT-A 2/TB2 C48 CU3019 Chip C. C1608CH1H470JT-A QN/TA C48 CU3018 Chip C. C1608CH1H390JT-A 2/TB2 C49 CU3035 Chip C. C1608CH1H102KT-A 2/TB2 C50 CU3035 Chip C. C1608JB1H102KT-A C51 CU3035 Chip C. C1608JB1H102KT-A C52 CU3035 Chip C. C1608JB1H102KT-A C53 CU3035 Chip C. C1608JB1H102KT-A C54 CU3035 Chip C. C1608JB1H102KT-A C55 CU3035 Chip C. C1608CH1H330JT-A QN/TA C56 CU3017 Chip C. C1608CH1H270JT-A 2/TB2 C7B2 C57 CU3023 Chip C. C1608CH1H330JT-A QN/TA C55 CU3017 Chip C. C1608CH1H330JT-A QN/TA C55 C1608CH1H330JT-A C1608CH1H330JT-A					
C46 CU3013 Chip C. C1608CH1H150JT-A 2/TB2 C47 CU3016 Chip C. C1608CH1H270JT-A C48 CU3019 Chip C. C1608CH1H390JT-A C48 CU3018 Chip C. C1608CH1H390JT-A 2/TB2 C49 CU3035 Chip C. C1608CH1H102KT-A C50 CU3035 Chip C. C1608JB1H102KT-A C51 CU3035 Chip C. C1608JB1H102KT-A C52 CU3035 Chip C. C1608JB1H102KT-A C53 CU3035 Chip C. C1608JB1H102KT-A C54 CU3035 Chip C. C1608JB1H102KT-A C55 CU3035 Chip C. C1608JB1H102KT-A C56 CU3017 Chip C. C1608JB1H102KT-A C56 CU3017 Chip C. C1608CH1H330JT-A C57 CU3023 Chip C. C1608CH1H330JT-A C58 CU3035 Chip C. C1608CH1H270JT-A 2/TB2 C59 CU3017 Chip C. C1608CH1H101JT-A C59 CU3017 Chip C. C1608CH1H330JT-A C59 CU3016 Chip C. C1608CH1H330JT-A C59 CU3016 Chip C. C1608CH1H330JT-A C59 CU3016 Chip C. C1608CH1H30JT-A C59 CU3016 Chip C. C1608CH1H30JT-A C59 CU3016 Chip C. C1608CH1H30JT-A C59 CU3016 Chip C. C1608CH1H270JT-A C59 CU3016 Chip C. C1608CH1H010CT-A C61 CU3002 Chip C. C1608CH1H010CT-A					
C46 CU3013 Chip C. C1608CH1H150JT-A 2/TB2 C47 CU3016 Chip C. C1608CH1H270JT-A 2/TB2 C48 CU3019 Chip C. C1608CH1H470JT-A QN/TA C48 CU3018 Chip C. C1608CH1H390JT-A 2/TB2 C49 CU3035 Chip C. C1608CH1H102KT-A 2/TB2 C50 CU3035 Chip C. C1608JB1H102KT-A C51 CU3035 Chip C. C1608JB1H102KT-A C52 CU3035 Chip C. C1608JB1H102KT-A C53 CU3035 Chip C. C1608JB1H102KT-A C54 CU3035 Chip C. C1608JB1H102KT-A C55 CU3035 Chip C. C1608CH1H330JT-A QN/TA C56 CU3017 Chip C. C1608CH1H270JT-A 2/TB2 C57 CU3023 Chip C. C1608CH1H330JT-A QN/TA C58 CU3017 Chip C. C1608CH1H330JT-A QN/TA C59 CU3017 Chip C. C1608CH1H330JT-A QN/TA C59 CU3016 Chip C. C1608CH1H330JT-A C1608CH1H300CT-	C46	CU3015	Chip C.	C1608CH1H220JT-A	ONUTA
C47 CU3016 Chip C. C1608CH1H270JT-A C48 CU3019 Chip C. C1608CH1H270JT-A C48 CU3018 Chip C. C1608CH1H390JT-A 2/TB2 C49 CU3035 Chip C. C1608CH1H102KT-A 2/TB2 C50 CU3035 Chip C. C1608JB1H102KT-A C52 CU3035 Chip C. C1608JB1H102KT-A C52 CU3035 Chip C. C1608JB1H102KT-A C53 CU3035 Chip C. C1608JB1H102KT-A C54 CU3035 Chip C. C1608JB1H102KT-A C55 CU3035 Chip C. C1608JB1H102KT-A C55 CU3035 Chip C. C1608CH1H330JT-A QN/TA C56 CU3017 Chip C. C1608CH1H270JT-A 2/TB2 C57 CU3023 Chip C. C1608CH1H330JT-A QN/TA C59 CU3017 Chip C. C1608CH1H330JT-A QN/TA C59 CU3017 Chip C. C1608CH1H330JT-A QN/TA C59 CU3016 Chip C. C1608CH1H330JT-A QN/TA C59<	C46	CI 12012	ChiC	C1600CH1H150IT A	_
C48 CU3019 Chip C. C1608CH1H470JT-A C48 CU3018 Chip C. C1608CH1H390JT-A 2/TB2 C49 CU3035 Chip C. C1608CH1H102KT-A 2/TB2 C50 CU3035 Chip C. C1608JB1H102KT-A C C51 CU3035 Chip C. C1608JB1H102KT-A C C52 CU3035 Chip C. C1608JB1H102KT-A C C53 CU3035 Chip C. C1608JB1H102KT-A C C54 CU3035 Chip C. C1608JB1H102KT-A C C55 CU3035 Chip C. C1608CH1H330JT-A QN/TA C56 CU3017 Chip C. C1608CH1H270JT-A 2/TB2 C57 CU3023 Chip C. C1608CH1H330JT-A QN/TA C58 CU3017 Chip C. C1608CH1H330JT-A QN/TA C59 CU3017 Chip C. C1608CH1H330JT-A QN/TA C59 CU3016 Chip C. C1608CH1H270JT-A 2/TB2 C60 C					2/182
C48					
C48 CU3018 Chip C. C1608CH1H390JT-A 2/TB2 C49 CU3035 Chip C. C1608CH1H102KT-A C C50 CU3035 Chip C. C1608JB1H102KT-A C C51 CU3035 Chip C. C1608JB1H102KT-A C C52 CU3035 Chip C. C1608JB1H102KT-A C C53 CU3035 Chip C. C1608JB1H102KT-A C C54 CU3035 Chip C. C1608JB1H102KT-A C C55 CU3035 Chip C. C1608CH1H330JT-A QN/TA C56 CU3017 Chip C. C1608CH1H270JT-A 2/TB2 C57 CU3023 Chip C. C1608CH1H101JT-A C C59 CU3017 Chip C. C1608CH1H330JT-A QN/TA C59 CU3017 Chip C. C1608CH1H330JT-A QN/TA C59 CU3016 Chip C. C1608CH1H270JT-A 2/TB2 C60 CU3002 Chip C. C1608CH1H010CT-A C1608CH1H010CT-A	C48	CU3019	Chip C.	C1608CH1H470J1-A	ONI/TA
C49 CU3035 Chip C. C1608CH1H102KT-A C50 CU3035 Chip C. C1608JB1H102KT-A C51 CU3035 Chip C. C1608JB1H102KT-A C52 CU3035 Chip C. C1608JB1H102KT-A C53 CU3035 Chip C. C1608JB1H102KT-A C54 CU3035 Chip C. C1608JB1H102KT-A C55 CU3035 Chip C. C1608CH1H330JT-A C56 CU3017 Chip C. C1608CH1H270JT-A 2/TB2 C57 CU3023 Chip C. C1608CH1H101JT-A C58 CU3035 Chip C. C1608CH1H330JT-A C59 CU3017 Chip C. C1608CH1H330JT-A QN/TA C59 CU3017 Chip C. C1608CH1H270JT-A QN/TA C59 CU3016 Chip C. C1608CH1H270JT-A 2/TB2 C60 CU3002 Chip C. C1608CH1H010CT-A C61 CU3002 Chip C. C1608CH1H010CT-A	C/18	CHROIS	Chin C	C1608CH1H300TT A	~
C50 CU3035 Chip C. C1608JB1H102KT-A C51 CU3035 Chip C. C1608JB1H102KT-A C52 CU3035 Chip C. C1608JB1H102KT-A C53 CU3035 Chip C. C1608JB1H102KT-A C54 CU3035 Chip C. C1608JB1H102KT-A C55 CU3035 Chip C. C1608CH1H330JT-A C56 CU3017 Chip C. C1608CH1H270JT-A 2/TB2 C57 CU3023 Chip C. C1608CH1H101JT-A C58 CU3035 Chip C. C1608CH1H330JT-A C59 CU3017 Chip C. C1608CH1H330JT-A QN/TA C59 CU3016 Chip C. C1608CH1H270JT-A 2/TB2 C60 CU3002 Chip C. C1608CH1H270JT-A 2/TB2 C61 CU3002 Chip C. C1608CH1H010CT-A					2/ 1D2
C51 CU3035 Chip C. C1608JB1H102KT-A C52 CU3035 Chip C. C1608JB1H102KT-A C53 CU3035 Chip C. C1608JB1H102KT-A C54 CU3035 Chip C. C1608JB1H102KT-A C55 CU3035 Chip C. C1608JB1H102KT-A C56 CU3017 Chip C. C1608CH1H330JT-A C57 CU3023 Chip C. C1608CH1H270JT-A 2/TB2 C58 CU3035 Chip C. C1608CH1H101JT-A C58 CU3017 Chip C. C1608CH1H330JT-A C59 CU3017 Chip C. C1608CH1H270JT-A 2/TB2 C59 CU3016 Chip C. C1608CH1H270JT-A 2/TB2 C60 CU3002 Chip C. C1608CH1H010CT-A C1608CH1H010CT-A C61 CU3002 Chip C. C1608CH1H010CT-A					
C52 CU3035 Chip C. C1608JB1H102KT-A C53 CU3035 Chip C. C1608JB1H102KT-A C54 CU3035 Chip C. C1608JB1H102KT-A C55 CU3035 Chip C. C1608JB1H102KT-A C56 CU3017 Chip C. C1608CH1H330JT-A C57 CU3016 Chip C. C1608CH1H270JT-A 2/TB2 C57 CU3023 Chip C. C1608CH1H101JT-A C58 CU3035 Chip C. C1608CH1H330JT-A QN/TA C59 CU3017 Chip C. C1608CH1H270JT-A QN/TA C59 CU3016 Chip C. C1608CH1H270JT-A 2/TB2 C60 CU3002 Chip C. C1608CH1H010CT-A C61 CU3002 Chip C. C1608CH1H010CT-A					-
C53 CU3035 Chip C. C1608JB1H102KT-A C54 CU3035 Chip C. C1608JB1H102KT-A C55 CU3035 Chip C. C1608JB1H102KT-A C56 CU3017 Chip C. C1608CH1H330JT-A C56 CU3016 Chip C. C1608CH1H270JT-A 2/TB2 C57 CU3023 Chip C. C1608CH1H101JT-A C58 CU3035 Chip C. C1608CH1H330JT-A QN/TA C59 CU3017 Chip C. C1608CH1H270JT-A QN/TA C59 CU3016 Chip C. C1608CH1H270JT-A 2/TB2 C60 CU3002 Chip C. C1608CH1H010CT-A C61 CU3002 Chip C. C1608CH1H010CT-A					-
C54 CU3035 Chip C. C1608JB1H102KT-A C55 CU3035 Chip C. C1608JB1H102KT-A C56 CU3017 Chip C. C1608CH1H330JT-A C56 CU3016 Chip C. C1608CH1H270JT-A 2/TB2 C57 CU3023 Chip C. C1608CH1H101JT-A C58 CU3035 Chip C. C1608CH1H330JT-A C59 CU3017 Chip C. C1608CH1H330JT-A QN/TA C59 CU3016 Chip C. C1608CH1H270JT-A 2/TB2 C60 CU3002 Chip C. C1608CH1H010CT-A C61 CU3002 Chip C. C1608CH1H010CT-A					
C55 CU3035 Chip C. C1608JB1H102KT-A C56 CU3017 Chip C. C1608CH1H330JT-A C56 CU3016 Chip C. C1608CH1H270JT-A 2/TB2 C57 CU3023 Chip C. C1608CH1H101JT-A C58 CU3035 Chip C. C1608JB1H102KT-A C59 CU3017 Chip C. C1608CH1H330JT-A C59 CU3016 Chip C. C1608CH1H270JT-A 2/TB2 C60 CU3002 Chip C. C1608CH1H010CT-A C61 CU3002 Chip C. C1608CH1H010CT-A					
C56 CU3017 Chip C. C1608CH1H330JT-A C56 CU3016 Chip C. C1608CH1H270JT-A 2/TB2 C57 CU3023 Chip C. C1608CH1H101JT-A C58 CU3035 Chip C. C1608CH1H101JT-A C59 CU3017 Chip C. C1608CH1H330JT-A C59 CU3016 Chip C. C1608CH1H270JT-A 2/TB2 C60 CU3002 Chip C. C1608CH1H010CT-A C61 CU3002 Chip C. C1608CH1H010CT-A					
C56 CU3016 Chip C. C1608CH1H270JT-A 2/TB2 C57 CU3023 Chip C. C1608CH1H101JT-A C58 CU3035 Chip C. C1608JB1H102KT-A C59 CU3017 Chip C. C1608CH1H330JT-A C59 CU3016 Chip C. C1608CH1H270JT-A 2/TB2 C60 CU3002 Chip C. C1608CH1H010CT-A C61 CU3002 Chip C. C1608CH1H010CT-A					
C56 CU3016 Chip C. C1608CH1H270JT-A 2/TB2 C57 CU3023 Chip C. C1608CH1H101JT-A C58 CU3035 Chip C. C1608JB1H102KT-A C59 CU3017 Chip C. C1608CH1H330JT-A C59 CU3016 Chip C. C1608CH1H270JT-A 2/TB2 C60 CU3002 Chip C. C1608CH1H010CT-A C61 CU3002 Chip C. C1608CH1H010CT-A	C56	CU3017	Chip C.	C1608CH1H330JT-A	
C57 CU3023 Chip C. C1608CH1H101JT-A C58 CU3035 Chip C. C1608JB1H102KT-A C59 CU3017 Chip C. C1608CH1H330JT-A C59 CU3016 Chip C. C1608CH1H270JT-A 2/TB2 C60 CU3002 Chip C. C1608CH1H010CT-A C61 CU3002 Chip C. C1608CH1H010CT-A	056	CLIDOTS		G1600GH111G50FF	QN/TA
C58 CU3035 Chip C. C1608JB1H102KT-A C59 CU3017 Chip C. C1608CH1H330JT-A C59 CU3016 Chip C. C1608CH1H270JT-A 2/TB2 C60 CU3002 Chip C. C1608CH1H010CT-A C61 CU3002 Chip C. C1608CH1H010CT-A					2/TB2
C59 CU3017 Chip C. C1608CH1H330JT-A C59 CU3016 Chip C. C1608CH1H270JT-A 2/TB2 C60 CU3002 Chip C. C1608CH1H010CT-A C61 CU3002 Chip C. C1608CH1H010CT-A					
C59 CU3016 Chip C. C1608CH1H270JT-A 2/TB2 C60 CU3002 Chip C. C1608CH1H010CT-A C61 CU3002 Chip C. C1608CH1H010CT-A					
C59 CU3016 Chip C. C1608CH1H270JT-A 2/TB2 C60 CU3002 Chip C. C1608CH1H010CT-A C61 CU3002 Chip C. C1608CH1H010CT-A	C59	CU3017	Chip C.	C1608CH1H330JT-A	
C60 CU3002 Chip C. C1608CH1H010CT-A C61 CU3002 Chip C. C1608CH1H010CT-A		GLIDOIS		G1.600.GT1177270777	QN/TA
C61 CU3002 Chip C. C1608CH1H010CT-A					2/′ΓB2
C62					
	C62	CU3005	Chip C.	C1608CH1H040CT-A	Page 33

RF Unit RF Unit

RF Uni						_			RF U
	Parts No.	Description	Parts Name	Ver		Parts No.	Description	Parts Name	Ver
C63	CU3005	Chip C.	C1608CH1H040CT-A		C129	CU3023	Chip C.	C1608CH1H101JT-A	
C64	CU3017	Chip C.	C1608CH1H330JT-A		C130	CU3035	Chip C.	C1608JB1H102KT-A	
C65	CE0204	Chip Tantal	ECEA1CKA107		C131	CS0329	Chip Tantal	ECS0JX106R	
C67	CU3035	Chip C.	C1608JB1H102KT-A		C132	CU3016	Chip C.	C1608CH1H270JT-A	
C68	CU3035	Chip C.	C1608JB1H102KT-A		C133	CU3017	Chip C.	C1608CH1H330JT-A	
C69	CS0277	Chip Tantal	ECST1CY105R		C134	CS0329	Chip Tantal	ECS0JX106R	
C70	CU3035	Chip C.	C1608JB1H102KT-A		C135	CS0256	Chip Tantal	ECS1AY225R	
C71	CU3035	Chip C.	C1608JB1H102KT-A		C136	CU3047	Chip C.	C1608JB1H103KT-A	
C72	CU3035	Chip C.	C1608JB1H102KT-A		C137	CS0258	Chip Tantal	ECST1AX475R	
C75	CU3059	Chip C.	C1608JF1E104ZT-4		C138	CU3047	Chip C.	C1608JF1E104ZT-4	
C76	CU3035	Chip C.	C1608JB1H102KT-A		C139	CS0307	Chip Tantal	ECST1VY104R	
C80	CU3021	Chip C.	C1608CH1H680JT-A		C140	CU3059	Chip C.	C1608JF1E104ZTA	
C81	CU3015	Chip C.	C1608CH1H220JT-A		C141	CU3051	Chip C.	C1608JB1E223KT-A	
C82	CU3059	Chip C.	C1608JF1E104ZT-4		C142	CU3051	Chip C.	C1608JB1E223KT-A	
C83	CU3059	Chip C.	C1608JF1E104ZT-4		C143	CS0277	Chip Tantal	ECST1CY105R	
C84	CU3024	Chip C.	C1608CH1H121JT-A		C144	CU3019	Chip C.	C1608CH1H470JT-A	
C85	CU3035	Chip C.	C1608JB1H102KT-A		C145	CS0277	Chip Tantal	ECST1CY105R	
C86	CU3019	Chip C.	C1608CH1H470JT-A		C146	CS0277	Chip Tantal	ECST1CY105R	
C87	CU3035	Chip C.	C1608JB1H102KT-A		C147	CU3059	Chip C.	C1608JF1E104ZTA	
C88	CU3047	Chip C.	C1608JB1H103KT-A		C148	CU3047	Chip C.	C1608JB1H103KT-A	
C89	CU3047	Chip C.	C1608JB1H103KT-A		C149	CU3059	Chip C.	C1608JF1E104ZT-A	
C90	CU3047	Chip C.	C1608JB1H103KT-A		C150	CU3035	Chip C.	C1608JB1H102KT-A	
C91	CU3059	Chip C.	C1608JF1E104ZT-4		C151	CU3035	Chip C.	C1608JB1H102KT-A	
C92	CS0277	Chip Tantal	ECST1CY105R		C152	CU3024	Chip C.	C1608CH1H121JT-A	
C93	CU3029	Chip C.	C1608JB1H331KT-A		C153	CU3039	Chip C.	C1608JB1H222KT-A	
C94	CU3035	Chip C.	C1608JB1H102KT-A		C154	CU3035	Chip C.	C1608JB1H102KT-A	
C95	CU3035	Chip C.	C1608JB1H102KT-A		C155	CU3035	Chip C.	C1608JB1H102KT-A	
C96	CS0307	Chip Tantal	ECST1VY104R		C156	CU3035	Chip C.	C1608JB1H102KT-A	
C97	CU3051	Chip C.	C1608JB1E223KT-A		C157	CU3047	Chip C.	С1608ЈВ1Н103КТ-А	
C98	CU3059	Chip C.	C1608JF1E104ZT-4		C158	CU3035	Chip C.	C1608JB1H102KT-A	
C99	CU3059	Chip C.	C1608JF1E104ZT-4		C159	CU3035	Chip C.	C1608JB1H102KTA	
C100	CS0331	Chip Tantal	ECST0JC336R		C160	CU3035	Chip C.	C1608JB1H102KT-A	
C101	CU3047	Chip C.	C1608JB1H103KT-A		C161	CU3035	Chip C.	С1608ЈВ1Н102КТ-А	
C102	CU3059	Chip C.	C1608JF1E104ZT-A		C162	CU3035	Chip C.	C1608JB1H102KT-A	
C103	CU3059	Chip C.	C1608JF1E104ZT-4		C163	CU3035	Chip C.	C1608JB1H102KT-A	
C104	CU3047	Chip C.	C1608JB1H103KT-A		C164	CS0331	Chip Tantal	ECST0JC336R	
C105	CU3039	Chip C.	C1608JB1H222KT-A		C165	CS0277	Chip Tantal	ECST1CY105R	
C106	CS0277	Chip Tantal	ECST1CY105R		C166	CU3035	Chip C.	C1608JB1H102KT-A	
C107	CU3059	Chip C.	C1608JF1E104ZT-4		C167	CU3047	Chip C.	C1608JB1H103KT-A	
C108	CE0307	Chip Tantal	ECEV0JA476P		C168	CU3035	Chip C.	C1608JB1H102KT-A	
C109	CU3051	Chip C.	C1608JB1E223KT-A		CN1	UE0143	Connector	AXN93030001	
C110	CE0307	Chip Tantal	ECEV0JA476P		D1	XD0066	Diode	RLS135-TE-11	
C111	CU3035	Chip C.	C1608JB1H102KT-A		D2	XD0066	Diode	RLS135-TE-11	
C112	CU3035	Chip C.	C1608JB1H102KT-A		D3	XD0233	Diode	1SV217TPH4	
C113	CS0277	Chip Tantal	ECST1CY105R		D4	XD0233	Diode	1SV217TPH4	
C114	CU3035	Chip C.	C1608JB1H102KT-A		D5	XD0233	Diode	1SV217TPH4	+
C120	CS3011	Chip Tantal	C1608CH1H100DTA		D6	XD0233	Diode	1SV217TPH4	+
C121	CU3035	Chip C.	C1608JB1H102KT-A		D7	XD0066	Diode	RLS135-TE-11	+
C122	CU3002	Chip C.	C1608CH1H010CT-A		$\frac{D}{D8}$	XD0120	Diode	MA704WKTX	+
C124	CU3CN)2		C1608CH1H010CT-A	_	D10	XD0057	Diode	1SS184TE85L	+-
C125	CS0277	Chip Tantal	ECST1CY105R		D11	XD0147	Diode	DTZ2.4ATT11	+-
C126	CU3011	Chip C.	C1608CH1H100DT-A		D12	XD0147 XD0129	Diode	1SS318TT11	+
C120	CU3023	Chip C.	C1608CH1H101JT-A		1 1212	13170127	IDIOGO	11000101111	
C127	CU3023	Chip C.	C1608CH1H101JT-A		1				
C120	1003023	Temp C.	C 1006CIIIIII0IJI-A		_				Dogo

RF Unit RF Unit

RF Unit									RF Unit
Ref No	Parts No.	Description	Parts Name	Ver	Ref No	Parts No.	Description	Parts Name	Ver
D13	XD0118	Diode	MA716-TW		Q21	XT0088	Transistor	2SA1213YTE12L	
D14	XD0137	Diode	DTZ6.2ATT11		Q22	XU0038	Transistor	UN2214-TX	
D15	XD0272	Diode	1SS356 TW11		Q23	XU0036	Transistor	XN111F-TX	
FB1	QB0008	Ferrite Bead	HF30ACB201 209-T		Q24	XU0035	Transistor	XN1214-TX	
FB2	QB0008	Ferrite Bead	HF30ACB201 209-T		R1	RK3074	Chip R.	ERJ3G3YJ105V	
FL1	XC0004	Fitter	CFUM455E	Wide	R2	RK3074	Chip R.	ERJ3G3YJ105V	
FL1	XC0006	Fitter	CFUM455G	Narrow	R3	RK3018	Chip R.	ERJ3GSYJ220V	
IC1	XA0063	IC	MC3357DR		R4	RK3018	Chip R.	ERJ3GSYJ220V	
IC2	XA0145	IC	MB1504LPF-G-BND-TF		R5	RK3074	Chip R.	ERJ3G3YJ105V	
IC3	XA0061	IC	NJM386M.T1		R6	RK3074	Chip R.	ERJ3G3YJ105V	
IC4	XA0068	IC	M5218FP-TO1-1		R7	RK3042	Chip R.	ERJ3GSYJ222V	
IC5	XA0104	IC	M5236 M L-T73A-36		R8	RK3022	Chip R.	ERJ3GSYJ470V	
L1	QKA35D	Coil	MR3.0-3.5T-0.6		R9	RK3050	Chip R.	ERJ3GSYJ103V	
L2	QKA35D	Coil	MR3.0-3.5T-0.6		R11	RK3038	Chip R.	ERJ3GSYJ102V	wide
L3	QKA45D	Coil	MR3.0-4.5T-0.6		R11	RK3037	Chip R.	ERJ3GSYJ821V	narrow
L4	QA0079	RF Coil	QA0079		R12	RK3072	Chip R.	ERJ3GSYJ684V	
L5	QA0078	RF Coil	QA0078		R13	RK3038	Chip R.	ERJ3GSYJ102V	
L6	QA0078	RF Coil	QA0078		R15	RK3001	Chip R.	ERJ3GSY0R00V	
L7	QA0078	RF Coil	QA0078		R16	RK3050	Chip R.	ERJ3GSYJ103V	
L9	QC0010	Chip L.	MLF3216E100M		R17	RK3046	Chip R.	ERJ3GSYJ472V	
L10	QC0009	Chip L.	MLF3216DR10M		R18	RK3030	Chip R.	ERJ3GSYJ221V	
L11	QC0139	Chip L.	MLF3216DR22M		R19	RK3038	Chip R.	ERJ3GSYJ102V	
L12	QKA45D	Coil	MR3.0-4.5T-0.6		R20	RK3034	Chip R.	ERJ3GSYJ471V	
L13	QKA35D	Coil	MR3.0-3.5T-0.6		R21	RK3034	Chip R.	ERJ3GSYJ471V	
L14	QKA35D	Coil	MR3.0-3.5T-0.6		R22	RK3010	Chip R.	ERJ3GSYJ4R7V	
L15	QKA15D	Coil	MR3.0-1.5T-0.6		R23	RK3034	Chip R.	ERJ3GSYJ471V	
L16	QKA25D	Coil	MR3.0-2.5T-0.6		R24	RK3010	Chip R.	ERJ3GSYJ4R7V	
L17	QC0003	Chip L.	MLF3216A1R0M		R25	RK3028	Chip R.	ERJ3GSYJ151V	
L18	QKA25D	Coil	MR3.0-2.5T-0.6		R26	RK3026	Chip R.	ERJ3GSYJ101V	
L19	QKA15C	Coil	MR2.5-1.5T-0.5		R27	RK1108	Chip R.	ERJ8GEYJ4R7V	
L19	QKA15B	Coil	MR2.0 1.5T 0.5	QN	R28	RK3022	Chip R.	ERJ3GSYJ470V	
Q1	XE0009	FET	2SK302-GR(TE85L)		R29	RK0022	Chip R.	ERJ6GEYJ221V	
Q2	XE0009	FET	2SK302-GR(TE85L)		R30	RK3058	Chip R.	ERJ3GSYJ473V	
Q3	XT0096	Transistor	2SC4099T1 06N		R31	RK3058	Chip R.	ERJ3GSYJ473V	
Q4	XT0030	Transistor	2SC3356T1BR24/25		R33	RK3053	Chip R.	ERJ3GSYJ183V	
Q5	XT0030	Transistor	2SC3356T1BR24/25		R34	RK3042	Chip R.	ERJ3GSYJ222V	
Q6	XT0052	Transistor	2SC2053		R36	RK3054	Chip R.	ERJ3GSYJ223V	
Q7	XT0101	Transistor	2SC1971		R37	RK3050	Chip R.	ERJ3GSYJ103V	
Q8	XU0035	Transistor	XN1214-TX		R38	RK3054	Chip R.	ERJ3GSYJ223V	
Q9		Transistor	UN2215-TX		R39	RK3038	Chip R.	ERJ3GSYJ102V	
Q10	XT0068	Transistor	2SA1162GRTE85L		R40	RK3050	Chip R.	ERJ3GSYJ103V	
Q11	XU0034	Transistor	XN1401-TX		R41	RK3030	Chip R.	ERJ3GSYJ221V	
Q12	XT0095	Transistor	2SC4081T106R		R50	RK3058	Chip R.	ERJ3GSYJ473V	
Q13	XT0095	Transistor	2SC4081T106R		R51	RK3040	Chip R.	ERJ3GSYJ152V	
Q14	XT0095	Transistor	2SC4081T106R		R52	RK3040	Chip R.	ERJ3GSYJ152V	
Q15	XT0088	Transistor	2SA1213YTE12L		R53	RK3058	Chip R.	ERJ3GSYJ473V	
Q16	XU0038	Transistor	UN2214TX		R54	RK3040	Chip R.	ERJ3GSYJ152V	
Q17	XT0097	Transistor	2SC4393TE85R		R56	RK3038	Chip R.	ERJ3GSYJ102V	
Q18	XT0096	Transistor	2SC4099T1 06N		R57	RK3074	Chip R.	ERJ3G3YJ105V	
Q19	XU0039	Transistor	UN211L-TX		R58	RK3050	Chip R.	ERJ3GSYJ103V	
Q20	XT0088	Transistor	2SA1213YTE12L		R59	RK3038	Chip R.	ERJ3GSYJ102V	
-					R60	RK3042	Chip R.	ERJ3GSYJ222V	
					R61	RK3054	Chip R.	ERJ3GSYJ223V	
	1				R62	RK3038	Chip R.	ERJ3GSYJ102V	

Page-35

RF Unit

RF Unit		_		
Ref No	Parts No.	Description	Parts Name	Ver
R63	RK3054	Chip R.	ERJ3GSYJ223V	
R64	RK3054	Chip R.	ERJ3GSYJ223V	
R65	RK3042	Chip R.	ERJ3GSYJ222V	
R66	RK3046	Chip R.	ERJ3GSYJ472V	
R67	RK3058	Chip R.	ERJ3GSYJ473V	
R68	RK3064	Chip R.	ERJ3GSYJ154V	
R69	RK3046	Chip R.	ERJ3GSYJ472V	
R70	RK3034	Chip R.	ERJ3GSYJ471V	Wide
R70	RK3034	Chip R.	ERJ3GSYJ471V	Narrow
R71	RK3042	Chip R.	ERJ3GSYJ222V	
R72	RK3065	Chip R.	ERJ3GSYJ184V	Wide
C182		1 '	1	'
(R72)	CU3059	Chip C.	C1608JF1E104ZT-N	Narrow
R73	RK3006	Chip R.	ERJ3GSYJ2R2V	
R74	RK3046	Chip R.	ERJ3GSYJ472V	
R75	RK3042	Chip R.	ERJ3GSYJ222V	
R76	RK3046	Chip R.	ERJ3GSYJ472V	
R80	RK3042	Chip R.	ERJ3GSYJ222V	
R81	RK3042		ERJ3GSYJ154V	
		Chip R.	ERJ3GSYJ223V	
R82 R83	RK3054	Chip R.		\longrightarrow
	RK3054	Chip R.	ERJ3GSYJ223V	
R84	RK3054	Chip R.	ERJ3GSYJ223V	
R85	RK3050	Chip R.	ERJ3GSYJ103V	
R86	RK3050	Chip R.	ERJ3GSYJ103V	
R87	RK3050	Chip R.	ERJ3GSYJ103V	
R88	RK3044	Chip R.	ERJ3GSYJ332V	
R89	RK3042	Chip R.	ERJ3GSYJ222V	
R90	RK3022	Chip R.	ERJ3GSYJ470V	
R91	RK3034	Chip R.	ERJ3GSYJ471V	
R92	RK3038	Chip R.	ERJ3GSYJ102V	
R93	RK3074	Chip R.	ERJ3G3YJ105V	
R94	RK3042	Chip R.	ERJ3GSYJ222V	
R95	RK3026	Chip R.	ERJ3GSYJ101V	
R96	RK3026	Chip R.	ERJ3GSYJ101V	
R97	RK3026	Chip R.	ERJ3GSYJ101V	
R99	RK3062	Chip R.	ERJ3GSYJ104V	
R100	RK3054	Chip R.	ERJ3GSYJ223V	
R101	RK3034	Chip R.	ERJ3GSYJ471V	
R102	RK3038	Chip R.	ERJ3GSYJ102V	
R110	RK3051	Chip R.	ERJ3GSYJ123V	
R111	RK3058	Chip R.	ERJ3GSYJ473V	
R112	RK3020	Chip R.	ERJ3GSYJ330V	+
R113	RK3020	Chip R.	ERJ3GSYJ393V	+
R114	RK3050	Chip R.	ERJ3GSYJ103V	-+
	RK3062			-+
R115		Chip R.	ERJ3GSYJ104V	\longrightarrow
R116	RK3062	Chip R.	ERJ3GSYJ104V	\longrightarrow
R117	RK3050	Chip R.	ERJ3GSYJ103V	\longrightarrow
R118	RK3051	Chip R.	ERJ3GSYJ123V	\longrightarrow
R119	RK3062	Chip R.	ERJ3GSYJ104V	\longrightarrow
R120	RK3054	Chip R.	ERJ3GSYJ223V	
R122	RK3050	Chip R.	ERJ3GSYJ103V	
R123	RK3050	Chip R.	ERJ3GSYJ103V	
R124	RK3056	Chip R.	ERJ3GSYJ333V	
R125	RK3061	Chip R.	ERJ3GSYJ823V	
R126	RK3061	Chip R.	ERJ3GSYJ823V	
R127	RK3050	Chip R.	ERJ3GSYJ103V	
R128	RK3066	Chip R.	ERJ3GSYJ224V	
R129	RK3058	Chip R.	ERJ3GSYJ473V	
	•	• •	•	

Ref No	Parts No.	Description	Parts Name	Ver
R130	RK0105	Chip R.	ERJ6GEYJ2R2V	
R131	RK3030	Chip R.	ERJ3GSYJ221V	
R132	RK3034	Chip R.	ERJ3GSYJ471V	
R133	RK3050	Chip R.	ERJ3GSYJ103V	
R134	RK3045	Chip R.	ERJ3GSYJ392V	
R135	RK3051	Chip R.	ERJ3GSYJ123V	
R136	RK3054	Chip R.	ERJ3GSYJ223V	
R137	RK3042	Chip R.	ERJ3GSYJ222V	
R141	RK3001	Chip R.	ERJ3GSY0R00V	
TC1	CT0033	Trimmer	ECRJA010A11W	
VR1	RH0106	Trim.Pot	EVM1YSX50BQ4	
VR2	RH0103	Trim.Pot	EVM1YSX50B14	
VR3	RV0017	Trim.Pot	RK09711-10KA-SW	
VR4	RV0018	Trim.Pot	RK09711-10KB	
W1	MRCJ06AA	Wire	DJ145	
W2	MWCK06AA	Wire	DJ145	
W3	МКСЈН3АА	Wire	DJ145	
W4	UX1033	Wire	DJ145	
X1	XQ0053	Crystal	UM-1 21,855MHz	
X2	XK0002	Discriminator	CDBM455C7	
Х3	XQ0052	Crystal	UM-5 12.800MHz	
XF1	XF0011	Crystal Filter	21.400MHz 21M15B1	Wide
XF1	XF0023	Crystal Filter	21.400MHz 21M7B1	Narrow
	TT1002	-	Tube	

VCO Unit / CTCSS Unit

Parts No.	Description	Parts Name	Ver
	VCO Unit		
CU3035	Chip C.	C1608JB1H102KT-A	
CU3047	Chip C.	C1608JB1H103KT-A	
CU3035		C1608JB1H102KT-A	
CU3035	Chip C.	C1608JB1H102KT-A	
GU3002	Chip C.	C1608CH1H010CT-A	
CU3047	Chip C.	C1608JB1H103KT-A	
CU3047	Chip C.	C1608JB1H103KT-A	
CU3047	Chip C.	C1608JB1H103KT-A	
CU3047	Chip C.	C1608JB1H103KT-A	
CS0328	Chip Tantal	ECST0JY685R	
CU3035	Chip C.	C1608JB1H102KT-A	
CU3035	Chip C.	C1608JB1H102KT-A	
CU3003	Chip C.	C1608CH1H020CT-A	
CU3002	Chip C.	C1608CH1H010CT-A	
CU3047	Chip C.	C1608JB1H103KT-A	
CU3047	Chip C.	C1608JB1H103KT-A	
XD0233	Diode	1SV217TPH4	
XD0233	Diode	1SV217TPH4	
XD0233	Diode	1SV217TPH4	
QC0010	Chip L.	MLF3216E100M	
QC0010	Chip L.	MLF3216E100M	
QC0090	Chip L.	MLF3216E4R7M	
QC0003	Chip L.	MLF3216A1R0M	
QA0081	IFT	QA0081	
QKA25C	Coil	MR2.5-2.5T-0.5	
XT0030	Transistor	2SC3356T1BR24/25	
XT0096	Transistor	2SC4099T106N	
XT0095	Transistor	2SC4081T106R	
XU0038	Transistor	UN2214-TX	
RK3026	Chip R.	ERJ3GSYJ101V	
RK3034	Chip R.	ERJ3GSYJ471V	
RK3038	Chip R.	ERJ3GSYJ102V	
RK3062	Chip R.	ERJ3GSYJ104V	
RK3062		ERJ3GSYJ104V	
RK3050		ERJ3GSYJ103V	
RK3046		ERJ3GSYJ472V	
RK3026		ERJ3GSYJ101V	
RK3022	Chip R.	ERJ3GSYJ470V	
RK3054		ERJ3GSYJ223V	
RK3050		ERJ3GSYJ103V	
RK3030		ERJ3GSYJ221V	
RK3062		ERJ3GSYJ104V	1
		1	1
	Chip R.		
	-r		
TS0072		VCO Case	
	CU3047 CU3035 CU3035 CU3035 CU3047 CU3047 CU3047 CU3047 CU3047 CU3047 CU3035 CU3035 CU3003 CU3002 CU3047 CU	VCO Unit CU3035 Chip C. CU3047 Chip C. CU3035 Chip C. CU3035 Chip C. CU3035 Chip C. CU3002 Chip C. CU3047 Chip C. CU3035 Chip C. CU3035 Chip C. CU3003 Chip C. CU3003 Chip C. CU3004 Chip C. CU3004 Chip C. CU3004 Chip C. CU3004 Chip C. CU3047 Chip C. CU3047 Chip C. CU3047 Chip C. CU3047 Chip C. CU3048 Diode XD0233 Diode XT0030 Chip L. QC0010 Chip L. QC0010 Chip L. QC0000 Chip L. QC0000 Chip L. QC0000 Chip L. RXD025C Coil XT0030 Transistor XT0096 Transistor XT0096 Transistor XT0095 Transistor XT0095 Transistor XT0095 Transistor XT0095 Transistor XT0098 Chip R. RK3034 Chip R. RK3050 Chip R.	VCO Unit CU3035 Chip C. C1608JB1H102KT-A CU3047 Chip C. C1608JB1H102KT-A CU3035 Chip C. C1608JB1H102KT-A CU3035 Chip C. C1608CH1H010CT-A CU3047 Chip C. C1608JB1H103KT-A CU3047 Chip C. C1608JB1H102KT-A CU3047 Chip C. C1608JB1H102KT-A CU3035 Chip C. C1608JB1H102KT-A CU3003 Chip C. C1608CH1H020CT-A CU3003 Chip C. C1608CH1H010CT-A CU3047 Chip C. C1608JB1H103KT-A CU3047 Chip

D 037	In	In the	VCO Unit / CTCSS Unit	
Ref No	Parts No.	Description	Parts Name	Ver
				180T 1400non
		CTCSS Unit	UP0221	
C701	CU3027	Chip C.	C1608CH1H221JT-A	
C702	CU3027	Chip C.	C1608CH1H221JT-A	
C703	CU3059	Chip C.	C1608JF1E104ZT-A	
C704	CU3047	Chip C.	C1608JB1H103KT-A	
C705	CS0296	Chip Tantal	ECST1EY474R	
C706	CS0296	Chip Tantal	ECST1EY474R	
C707	CU3047	Chip C.	C1608JB1H103KT-A	
C708	CU3059	Chip C.	C1608JF1E104ZT-A	
C709	CU3059	Chip C.	C1608JF1E104ZT-A	
C710	CU3059	Chip C.	C1608JF1E104ZT-A	
C711	CS0296	Chip Tantal	ECST1EY474R	
CN701	UE0133	Connector	DF9A-11P-1V	
D701	XD0057	Diode	1SS184TE85L	
IC701	XA0203	IC	MX365ADW-TR	
Q701	XT0037	Transistor	2SC2412KT146R	
R701	RK3074	Chip R.	ERJ3GSYJ105V	
R702	RK3064	Chip R.	ERJ3GSYJ154V	
R703	RK3040	Chip R.	ERJ3GSYJ152V	
R704	RK3034	Chip R.	ERJ3GSYJ471V	
R705	RK3067	Chip R.	ERJ3GSYJ274V	
R706	RK3059	Chip R.	ERJ3GSYJ563V	
R707	RK3074	Chip R.	ERJ3GSYJ105V	
R708	RK3073	Chip R.	ERJ3GSYJ824V	
R709	RK3038	Chip R.	ERJ3GSYJ102V	
R710	RK3070	Chip R.	ERJ3GSYJ474V	
R711	RK3054	Chip R.	ERJ3GSYJ223V	
R712	RK3040	Chip R.	ERJ3GSYJ152V	
VR701	RH0060	Trim.Pot	MVR32 HXBRN473	
X701	XB0006	Crystal	CSB1000J 221	
	YZ0042		Adhesion G17	

PTT SW Unit/JACK Unit /RE Unit OTHER/ROM2 Unit /PACKING

		Description	Parts Name	Ver	Ref No	Parts No.	Description	Parts Name	Ver
	•	PTT SW Unit		•			ROM2 Unit		
SW301	UU0013	Switch	SKHUAB		CN801	UE0132	Connector	DF9A-9P-1V	
	UU0013	Switch	SKHUAB			XA0200	IC	X24C04S14-3.0T (EJ-14	4u)
	UU0013	Switch	SKHUAB			XA0201	IC	X24C16S-3.0T (EJ.15u)	
CN501	UE0147	Connector	TE 1608-PI28G05		R801	RK3062	Chip R.	ERF3GSYJ104V	
	•	JACK Unit	•	•	R802	RK3062	Chip R.	ERF3GSYJ104V	
JK501	UJ0022	Jack	HSJ112-01-540			HK0284	1	Carton Box EJ-14u	
JK502	UJ0016	Jack	HSJ1423-01-050			HK0285		Carton Box EJ-15u	
R501	RK4051	Chip R.	ERJ-14YS101V			HP0029		Protection Bag	
		RE Unit	•			UP0220B		CPU P.C.B.	
	UR0007		RK09710HH5RH 220			YZ0121		Tape	
	•	OTHERS	•			•	Packing	•	
	AB0011		3+8FeNi			AK0004	4PCS	0B2+3FeB/C	
	AK0001		0B2+4FeNi			DS0357		Model Name Plate DJ-18	3 T
	AK0002		0B2+4FeB/C			DS0388A		Model Name Plate	page39
	AV0004		0B26+6FeNi	\vdash		DS0340		Model Name plate	1
	AN0012		Dial Nut	\vdash		EA57		Antenna M Low band E	page39
	AP0016		P2+8FeB/C	\vdash		EA58		Antenna M high band E	
C1	CC0119	CeramicC.	50V22PF CH			EBP26N		Ni-Cd(EG0016)	page39
	DP0063		LCD Panel			EDC-49		Charger (EJ0007)	page39
	DP0111		LCD Panel	AN/QN		EDC-50		Charger (EJ0008)	page39
	ES0011AZ	Speaker	036S13D			FG0096		Model Name Rubber	1
	FG0076		Battery Rubber			HK0280		Item Carton Box DJ-180	DJ180
	FG0092		Silicone Key 1 (T/E)	DJ180		HK0287		Item CartonBox DJ1400	DJ140
	FG0093		Silicone Key 2 (T/E)	DJ180		HM0100		Carton Box	
	FG0094		Jack Cap			HU0037		Fixture	
	FG0095		PTT Rubber			KM0137		Switch Cover	DJ180
	FG0097		VOL Rubber			HP0016		Protection Bag 75 X 90	page39
	FG0100		EP/MIC Cushion			HP0028		Protection Bag 165 X 28	
	FG0112		Silicone Key 2 (1400)	1400		HP0031		Protection Bag 100 X 20	
	FG0129		Silicone Key 2 (1400AN/QN)	AN/QN		PH0006		Registration Card	
	FM0068		Earth Ring			PR0022		Seal E	
	FM0069		Antenna Earth			PR0094		Seal A	
	KB0038		Rear Case			PR0157		Seal TA	
	KM0135		FrontCase			PR0158		Seal TB	
	KM0141		Switch Cover (1400)	1400		PR0159G		Seal TS	
	NB0047		Release Knob			PR0160		Seal TZ	
	NK0028		VOL Knob			PR0161		Seal A	
	NK0029		SQL Knob			PR0162		Seal B	
	ST0032		SP Holder			PR0163		Seal B	
	TG0014		SP Net			PS0159G		Instruction Manual	DJ180
	TS0071		RF Shield			PS0161		Instruction Manual	DJ1400
	UE0193Z		BNC Receptacle			PS0258A		Instruction Manual	AN/QN
	UP0220A		P.C.B.			PT0004A		Lot Number Seal	
W201	UX1035	Wire	DJ145			YZ0117		Switch Cover Tape	
	YZ0044		Screw Lock 1401C	\Box		YZ0118		Tape	
	YZ0116		Acrylic Tape			YZ0121		Tape	
	YZ0117		Switch Cover Tape (1400)	1400		EBC-3		Belt Ciip	
				\vdash		BB0009Y		Hand Strap	
	1			\vdash				*	1

Page-38

Model No. DJ-180	DJ-180 DJ-1400
Ref.No. T TA TA2 TB TB2 TM TS TSA TZ TD TAD TFD TSD TZD	DIE EA EB ED EADEBDI A BIF G TM DAD BD QNAM
DS0357 1 0 0 0 0 0 0 0 0 0 0 0 0	
DS0388A 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
DS0352A	
	1 1 1 1 1 1 1 1 1 1 1 1 1
EBP28N	
	1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0
	1 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0
	1 1 1 0 1 1 0 0 0 0 0 0 0 0 0 0
FG0129	
111(0200 1 1 1 1 1 1 1 1 1	<u> </u>
	1 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 1 ·
	O O O 1 O O 1 1 1 1 1 1 1 1 1 1 1 1
	1 1 1 1 1 1 0 0 0 0 0 0 0 0 0
	1 1 1 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0
	0 0 0 0 0 0 1 1 1 1 1 1 1 1 1
	1 0 0 0 1 1 1 0 0 0 0 0 0 1 1 1
	1 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0
PS0258A	
SEAL TA TA2 TB TB2 TM TS TSA TZ TA TFD TS TZ	E EA EB E EA EB A B F G TM A B
EDH11 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1	1 0 0 0 1 1 1 0 0 0 0 0 0 1 1 1

ADJUSTMENT

1) Required Test Equipment

1. Regulated Power Supply

Supply voltage: 2V to 15V Current: 2A or more Standard voltage: 13.8V

2. Frequency Counter

Measurable frequency: Up to 1GHz Measurements stability: 0.2ppm or so

3. Power Meter

Measurable frequency: Up to 500MHz Impedance: 50Ω , unbalanced Measuring range: Full scale of 10W or so

4. Linear Detector

Measurable frequency: Up to 500MHz

Characteristics: Flat

CN: 60dB or more

5. Digital Multimeter

Voltage range: FS = 18V or so Input resistance: $1M\Omega$ or more

6. Oscilloscope

Measurable frequency: DC to 30MHz

7. AF Voltmeter

Measurable frequency: 50Hz to 1MHz Maximum sensitivity: 1mV or more

8. Spectrum Analyzer

Measuring range: DC to 2GHz or more

9. SSG

Maximum frequency: 1GHz or more

Output: -20dB/0.1µV to 120dB/1V

Output impedance: 50Ω , unbalanced

10. Dummy Load

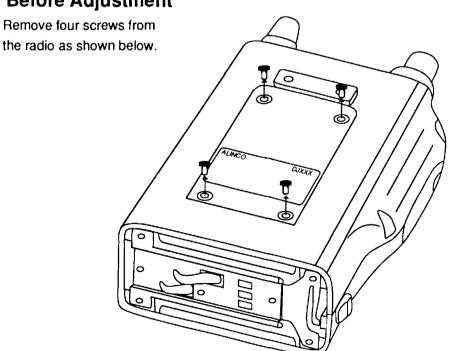
Impedance: 8Ω

Dissipation: 2W or more

11. Distortion Meter

Measurable frequency: 30Hz to 100kHz Input level: 50mV to 10V rms

2) Before Adjustment



3) ADJUSTMENT for DJ180 DJ1400 (The Wide Version)

PLL Adjustment

Item	Condition	Measurement		Adjustment			Specifications/
		Test-equipment	Ternlinal	Unit	Parts	Method	Remarks
RX VCO	Frequency: 145.00MHz	Digital Multimeter	TP1	VCO	L205		1.5+/-0.05V
Reference	Frequency: 145.00MHz						145.00MHz+/-
Frequency	PTT: ON	Frequency Counter	ANT	RF	TC1		50Hz

TX Adjustment

Item	Condition	Measurement		Adjustment			Specifications/
		Test-equipment	Ternlinal	Unit	Parts	Method	Remarks
	Freq: **** MHz						
Power	PTT: ON	PowerMeter	ANT	RF	VR1		0.4+/ - 0.05W
	Power: Low						
	Freq: **** MHz						
	PTT: ON	AF OSC Liner Detector	ANT	RF	VR2		4.3KHz
DEV	Power: Low						
	AG output: 1KHz,						+/-0.2KHz/DEV
	-30dBm						
	Freq: **** MHz			DTME	TMF VR401		3.0KHz
DTMF	PTT: ON						
DIMI	Power: Low			DIME			+/-0.5KHz/DEV
	Push1"keyon"						
88.5HzTone	Freq: **** MHz			TONE	ONE VR701		0.8KHz+/-
	PTT: ON						0.8KHZ+/- 0.1KHz/DEV
	Power: Low						U.IKHZ/DEV

RX Adjustment

Item	Condition	Measurement		Adjustment			Specifications/
		Test-equipment	Ternlinal	Unit	Parts	Method	Remarks
RXFront End	Frequency: **** MHZ	SSG Oscilloscope AFVoltmeter Distorlion Meter	SP	RF	L4~L7	INIAI).	12dB SINAD - 6.0dBuV(EMF)

*****<u>MHz</u>

DJ-180 T/E/	
DJ1400 /A/B	145.00MHz
DJ-180TA2,TB2	162.00MHz

3) ADJUSTMENT for DJ1400AN/QN (The Narrow Version)

PLL Adjustment

Item	Condition	Measurement 2		Adjustment			Specifications/
		Test-equipment	Ternlinal	Unit	Parts	Method	Remarks
RX VCO	Frequency: 145.00MHz	Digital Multimeter	TP1	VCO	L205		1.5+/-0.05V
Reference	Frequency: 145.00MHz						145.00MHz+/-
Frequency	PTT: ON	Frequency Counter	ANT	RF	TC1		50Hz

TX Adjustment

Item	Condition	Measurement		Adjustment			Specifications/
		Test-equipment	Ternlinal	Unit	Parts	Method	Remarks
	Freq: *****MHz						
Power	PTT: ON	PowerMeter	ANT	RF	VR1		0.4+/ - 0.05W
	Power: Low						
	Freq: *****MHz						
	PTT: ON	AF OSC Liner Detector	ANT	RF	VR2		2.2KHz +/-0.2KHz/DEV
DEV	Power: Low						
	AG output: 1KHz,						+/-0.2KHZ/DEV
	-30dBm						
	Freq: *****MHz			DTMF	MF VR401		0.8KHz
DTMF	PTT: ON						+/-
88.5HzTone	Power: Low						0.05KHz/DEV
	Freq: *****MHz			TONE	ONE VR701		0.35KHz+/-
	PTT: ON						
	Power: Low						0.05kHz/DEV

RX Adjustment

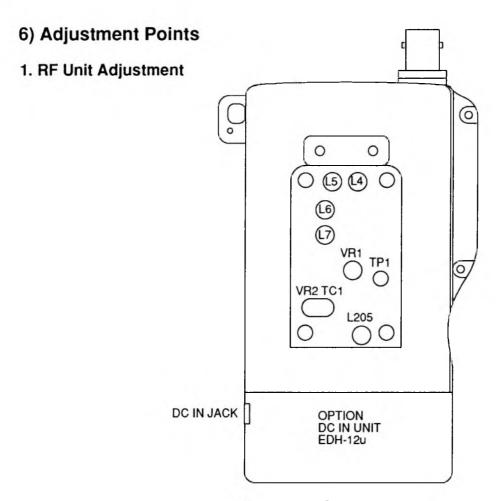
_								
ſ	Item	Condition	Measurement		Adjustment			Specifications/
			Test-equipment	Ternlinal	Unit	Parts	Method	Remarks
		Frequency: *****MHz SSGmod: 1KHz, 1.7kHzDEV	SSG Oscilloscope AFVoltmeter Distorlion Meter	SP	RF		12dB SINAD: MAX	12dB SINAD - 6.0dBuV(EMF)

*****MHz

DJ1400AN	145.00MHz
DJ1400QN	162.00MHz

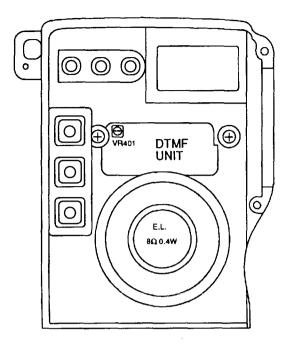
5) Adjustment Quick Reference

		Wide Version	Narrow Version
Parts	ltem	Specifications	
L4	RX Sensitivity	-6dBμV (12dB SINAD)	
L5	RX Sensitivity	-6dBμV (12dB SINAD)	
L6	RX Sensitivity	-6dBμV (12dB SINAD)	
L7	RX Sensitivity	-6dBμV (12dB SINAD)	
L205	VCO Frequency	1.5 +/-0.05V	
TC1	Reference Frequency	145MHz +/- 50Hz	
VR1	TX Low Power	0.4 +/-0.05W	
VR2	Deviation	4.3kHz +/- 0.2kHz	2.2KHz+/-0.2KHz
VR401	DTMF Deviation	3.0kHz +/-0.5kHz	0.8KHz+/-0.05KHz
VR701	CTCSS Deviation	0.8kHz +/-0.1kHz	0.35KHz+/-0.05KHz

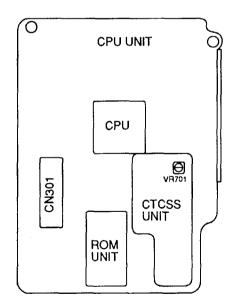


 Attach the DC IN unit to the radio and power supply voltage 13.8V will be supplied.

2. DTMF Unit Adjustment



3. CTCSS Unit Adjustment



CIRCUIT DIAGRAM

